

# FILE NOTATIONS

Entered in NID File ✓  
 Entered On S R Sheet \_\_\_\_\_  
 Location Map Pinned ✓  
 Card Indexed ✓  
 I W R for State or Fee Land \_\_\_\_\_

Checked by Chief ✓  
 Copy NID to Field Office \_\_\_\_\_  
 Approval Letter ✓  
 Disapproval Letter \_\_\_\_\_

## COMPLETION DATA:

Date Well Completed 10-14-66  
 OW ✓ WW \_\_\_\_\_ TA \_\_\_\_\_  
 GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

Location Inspected \_\_\_\_\_  
 Bond released \_\_\_\_\_  
 State of Fee Land \_\_\_\_\_

## LOGS FILED

Driller's Log 12-22-67  
 Electric Logs (No. ) 3

E \_\_\_\_\_ I \_\_\_\_\_ E-I ✓ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_  
 Lat. \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic Formation Other Density Log

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐2. NAME OF OPERATOR  
GULF OIL CORPORATION3. ADDRESS OF OPERATOR  
Box 1974, Casper, Wyoming4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1900' SNL, 1978' EWL (SEW)

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

1978' West

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

540

19. PROPOSED DEPTH

8000'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, etc.)  
Ungraded ground, 6180

22. APPROX. DATE WORK WILL START\*

6-13-66

## 23. \* PROPOSED CASING AND CEMENTING PROGRAM

SIZE HOLE	PIPE CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY CEMENT
15 7-7/8	10-3/4 5 1/2	40# as required	800' 8000'	700 sacks as required

\* We will also set approximately 100' of 20" conductor pipe.

We propose to drill an 8000' Wasatch test.

NOTE: Designation of operator, form 9-1123, executed by Continental Oil Company, the record owner of this lease, was filed 6-3-66 by Gulf Oil Corporation with Regional Oil and Gas Supervisor, USGS, Casper, Wyoming, designating Gulf as operator in so far as lease covers NW/4 Section 8-4S-5W.

*New Sealed Wildcat*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Original Signed By

LESTER LeFAVOUR

Area Production Manager

June 3, 1966

SIGNED

Lester LeFavour

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

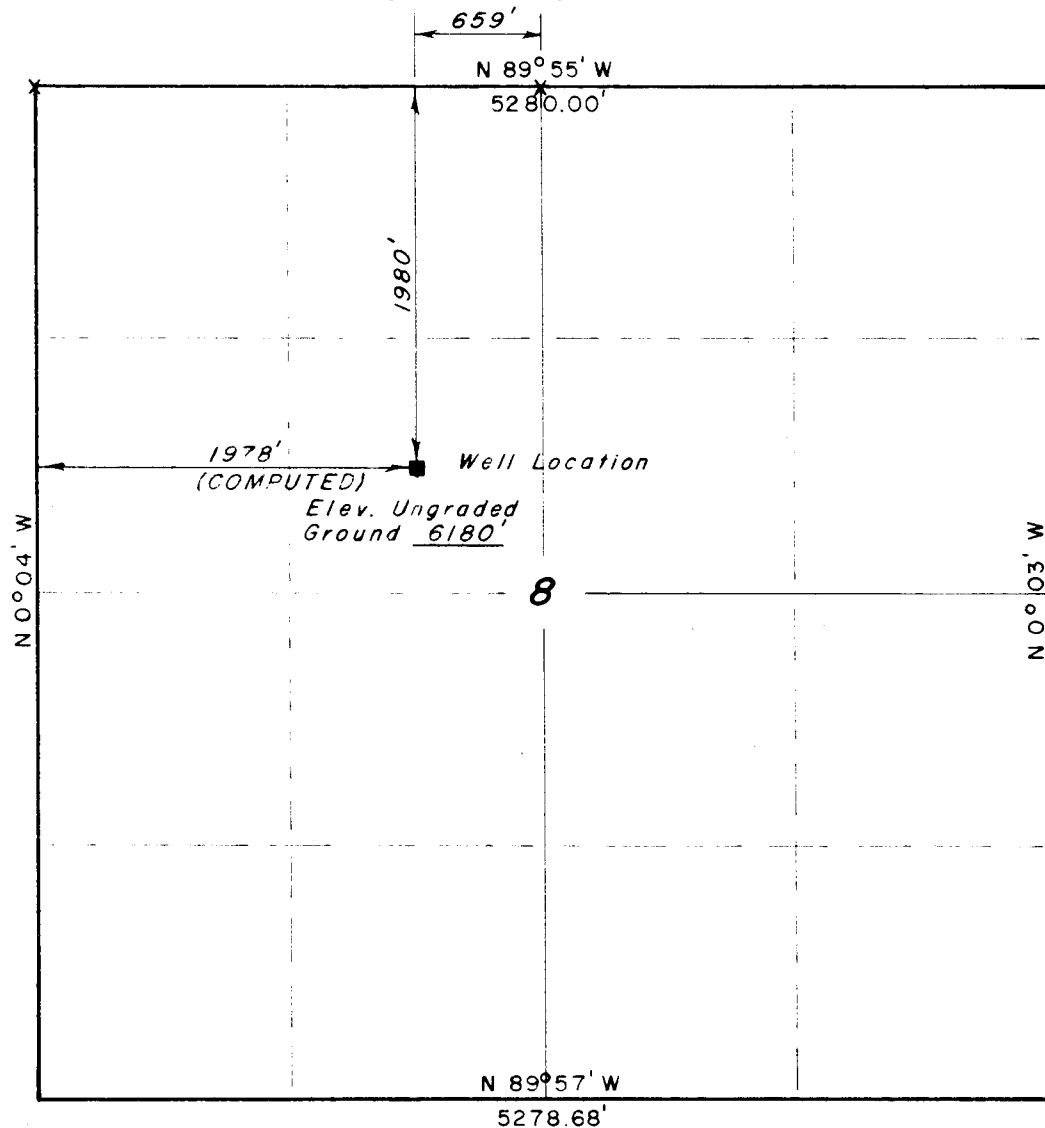
CC: Utah Oil and Gas Conservation Commission (2)

C. T. Gilbert

Continental Oil Co., Denver.

\*See Instructions On Reverse Side

T4S, R5W, U.S.M.



X = CORNERS LOCATED (STONES)

PROJECT

GULF OIL CORP.  
WELL LOCATION AS SHOWN IN THE  
SE 1/4 NW 1/4, SEC. 8, T4S, R5W,  
U.S.M., DUCHESNE COUNTY, UTAH.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED  
FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER  
MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT  
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Nelson J. Marshall*

REGISTERED LAND SURVEYOR  
REGISTRATION N2 2454 UTAH

REGISTERED LAND SURVEYORS-UTAH & COLORADO

Uintah Engineering & Land Surveying BOX Q VERNAL, UTAH	SCALE	DATE
	1" = 1000'	MAY 19, 1966
	PARTY	REFERENCES
	NM-RD	GLO Township Plat
	WEATHER	FILE
	CLEAR - WARM	GULF OIL CO.

**STATE OF UTAH  
DEPARTMENTAL MEMORANDUM**

From  
DEPARTMENT

DATE:

DIVISION

FILE:

To  
DEPARTMENT

SUBJECT:

DIVISION

June 6, 1966

Gulf Oil Corporation  
Box 1971  
Casper, Wyoming

Re: Well No. Ute Tribal #2, Sec. 8,  
T. 4 S., R. 5 W., Duchesne  
County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediatley notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer  
Office: 328-5771 - 328-5772 - 328-5773  
Home: 277-2890 - Salt Lake City, Utah

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly accessible near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT  
EXECUTIVE DIRECTOR

CBF:sc

cc: Rodney Smith, U. S. Geological Survey

54

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE -----  
LEASE NUMBER -----  
UNIT -----

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Duchesne Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1966.

Agent's address P. O. Box 1971  
Casper, Wyoming  
Company Gulf Oil Corporation  
Signed \_\_\_\_\_ Original Signed By \_\_\_\_\_

Phone 235-5783 Agent's title Area Production Manager

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW NW 8	4S	5W	2	-	-		-	-	-	Drilling 6017'
Gulf Oil - Ute Tribal										
2 - USGS, Salt Lake City, Utah 2 - Utah Oil & Gas Commission 1 - O. C. District, Office 1 - File										

- 2 - USGS, Salt Lake City, Utah  
2 - Utah Oil & Gas Commission  
1 - O. C. District, Office  
1 - File

521 Note.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE \_\_\_\_\_  
LEASE NUMBER \_\_\_\_\_  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Duchesne Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1966,

Agent's address P. O. Box 1971 Company Gulf Oil Corporation  
Casper, Wyoming Signed \_\_\_\_\_

Phone 235-5783 Agent's title Area Production Manager

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW NW 8	4S	5W	2	-	-		-	-	-	TD 7787' DST #5
Gulf Ute Tribal										
2 - USGS, Salt Lake City, Utah 2 - Utah Oil & Gas Commission 1 - O. C. District Office 1 - File										

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)  
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

SE NW SEC. 8-4S-5W ELEVATION 6180 FT. GR

DUCHESE COUNTY, UTAH EXAMINED BY P S DAY H O ARNOLD M DIX

DEPTH	DESCRIPTION	PORS SHOWS D T OS F C
0070-0080	SS- MED GY PT SLTY MED HD VF-MED GR SUBRND CALC-LITE W/TR LIQ NO P&G W/SOM CLYST TAN-BRN CALC HD BLOCKY AND TRACE GY SHALE NO SHOWS	
0080-0090	AS ABOVE	
0090-0100	AS ABOVE TR OIL STN FAIR FLUOR W/SLOW-WEAK CUT	
0100-0110	AS ABOVE	
0110-0120	AS ABOVE	
0120-0130	AS ABOVE TR OIL STN	
0130-0140	AS ABOVE	
0140-0150	AS ABOVE	
0150-0160	SH- DK GY PT SILTY HD CALC W/SH CREAM-SY V CALC HD TR SS NO SHOWS	
0160-0170	AS ABOVE	
0170-0180	AS ABOVE	
0180-0190	SH- DK BRNISH-GY SLI SILTY HD FLAKY SLI CALC W/SOM SH CREAM SY AA NO SHOWS	
0190-0200	AS ABOVE	
0200-0210	AS ABOVE	
0210-0220	SH- AS ABOVE NO SHOWS	
0220-0230	AS ABOVE	
0230-0240	SLTST- MED GY SLI CALC MED HD SILTY TO VF SDY ARSITLACEOUS MASSIVE NO POR W/SS GY V SLTY MED HD FINE TITE TR SH CREAM NO SHOWS	
0240-0250	AS ABOVE	
0250-0260	AS ABOVE	
0260-0270	SS- MED GY SLTY HD VF-MED GR SUBRND CALC TITE NO POR W/SLTST MED GY SLI CALC MED HD TR GILSONITE TR OIL STN FAINT FLUOR SLOW WEAK CUT POOR SAMPLE	
0270-0280	AS ABOVE	
0280-0290	AS ABOVE	
0290-0300	SH- TAN-CREAM SLI SLTY MED HD CALC W/SLTST AS AB TR SS NO SHOWS	
0300-0310	AS ABOVE	
0310-0320	AS ABOVE	
0320-0330	AS ABOVE	
0330-0340	AS ABOVE	
0340-0350	AS ABOVE	
0350-0360	SS- LT GY SLTY M HD SLTY-FINE SUBANG CALC MASS PT MICACEOUS NO POR W/SLTST LT GY CLYEY M HD MASS TR LIGNITE NO SHOW	
0360-0370	AS ABOVE	
0370-0380	AS ABOVE	
0380-0390	SS- AS ABOVE W/CLYST CREAM-GY CALC HD FLAKY NS	
0390-0400	AS ABOVE	
0400-0410	CLYST- TAN-CREAM HD CALC FLAKY W/SLTST MEDGY SLI CALC M-HD TR COAL & SS N S	
0410-0420	AS ABOVE	
0420-0430	AS ABOVE	
0430-0440	AS ABOVE	
0440-0450	AS ABOVE	
0450-0460	AS ABOVE	
0460-0470	SLTST- MED GY PT SDY M-HD SLTY-FINE SDY SUBANG CALC TITE	

NO POR W/CLYST TAN-CRM CALC HD FLAKY TR LIGNITE N S

0470-0480 AS ABOVE  
0480-0490 AS ABOVE  
0490-0500 SLTST- AS ABOVE W/SS GY V CALC FIRM FINE TR TAN CLYST N S  
0500-0510 AS ABOVE  
0510-0520 AS ABOVE  
0520-0530 AS ABOVE  
0530-0540 SLYST- LT BRN-CREAM SLI ARGIL HD CALC MASS W/SLTST MED GY  
PT SDY M-HD CALC N S  
0540-0550 AS ABOVE  
0550-0560 AS ABOVE  
0560-0570 AS ABOVE TR LIGNITE N S  
0570-0580 AS ABOVE  
0580-0590 AS ABOVE  
0590-0600 AS ABOVE N S  
0600-0610 AS ABOVE  
0610-0620 CLYST- LT BRN-CRM SLI ARGIL HD CALC FLAKY W/SLTST MED GY  
SHY M-HD TITE TR SS GY TR OIL STN FNT FLUOR FAST-WEAK CUT  
0620-0630 AS ABOVE  
0630-0640 SLTST- MED GY PT SDY M-HD SLTY TO FINE CALC TITE NO POR  
W/CLYST AS AB TR SS TR OIL STN FAINT FLUOR FAST-WEAK CUT  
0640-0650 AS ABOVE  
0650-0660 AS ABOVE  
0660-0670 SH- MED GY PT SLTY M-HD CALC W/SS GY CALC M-HD TITE TR SH  
TAN TR OIL STN FAIR FLUOR FAST-WEAK CUT  
0670-0680 AS ABOVE  
0680-0690 AS ABOVE  
0690-0700 CLYST- TAN-CRM HD CALC FLAKY W/SH MED GY PT SLTY M-HD CALC  
TR SS NO SHOWS  
0700-0710 AS ABOVE  
0710-0720 AS ABOVE  
0720-0730 AS ABOVE NO SHOWS  
0730-0740 AS ABOVE  
0740-0750 AS ABOVE  
0750-0760 CLYST- AS ABOVE NO SHOW  
0760-0770 AS ABOVE  
0770-0780 AS ABOVE  
0780-0790 NO SAMPLE  
RAN 10-3/4 IN CASING TO 794 FT DRILLING 8-3/4 IN HOLE  
0790-0800 AS ABOVE  
0800-0810 LS- TAN-CRM SHLY HD CALC W/SH MD SY SLI SLTY HD CALC TR  
SS GY TR OIL STN FNT FLUOR SLOW WEAK CUT  
0810-0820 LS- LT BRN-CRM SHLY HD CALC W/SH- AS AB N S  
0820-0830 SS- MD-DK GY SLTY MD HD VF-FN CALC TITE PT OILS STN NO POR  
W/LS- AS AB SLI OIL STN FNT FLUOR SLOW CUT  
0830-0840 SS- AS AB VF-MED TR POR W/SLTST DK GY CLY HD CALC TR LS TN  
SLI OIL STN FNT FLUOR SLOW-FAIR CUT  
0840-0850 AS ABOVE NO POR SLI OIL STN AS ABOVE  
0850-0860 SH- DK GY SLTY M HD CALC TR SS W/TR OIL STN  
0860-0870 SH- AS ABOVE NO SHOW  
0870-0880 LS- LT BR-OR SLI CLY HD ETHY NO SHOW  
0880-0890 SH- DK GY SLTY M HD CALC W/LS AA TR CHERT BR N S  
0890-0900 SH- MD GY SLTY M HD CALC TR LS TN N S  
0900-0910 LS- LT BRN-TN SLI CLY HD CALC ETHY TR GY SH  
0910-0920 LS- AS AB W/SH MD GY SLTY M HD LMY TR CHERT BR  
0920-0930 SH- MD GY PT SLTY M HD CALC W/LS AA TR OIL STN IN RARE  
FRAG OF FINE SDY TITE SLTST  
0930-0940 AS ABOVE NO SHOW  
0940-0950 AS ABOVE NO SHOW  
0950-0960 AS ABOVE NO SHOW  
0960-0970 AS ABOVE  
0970-0980 SH- MD GY SLI SLTY HD CALC W/LS- BR GY SLI CLY HD FLKY  
TR CHERT NO SHOW



0980-0990 SH- AS ABOVE NO SHOW  
 0990-1000 AS ABOVE  
 1000-1010 LS- LT BR-TN SLI CLY HD CALC ETHY W/SH AS AB TR CHERT N S  
 1010-1020 LS- AS ABOVE TR BN CHERT NO SHOW  
 1020-1030 LS- AS ABOVE TR BR CHERT  
 1030-1040 SH- MD GY SLI SLTY HD CALC W/LS AS AB TR CHERT  
 1040-1050 AS ABOVE  
 1050-1060 LS- TAN-CRM PT CLY HD CALC DNS W/SH AA TR CHERT  
 1060-1070 LS- AS AB TR SS GY W/TR O STN FNT FLUOR NO CUT  
 1070-1080 LS- AS AB W/SS DIRTY SLTY HD FN NO STN FNT FLUOR  
 1080-1090 SS- DIRTY GY CLYEY HD SLTY TO MED GR CALC S&P PT MICAC TR  
 INTERGRAN POR NO STN FNT FLUOR NO CUT  
 1090-1100 SS- AS AB W/SLTST DK GY CLY SDY HD FM DNS  
 1100-1110 SH- MD GY SLTY HD CALC TR TAN LMS NO SHOW  
 1110-1120 SH- AS AB W/LS MD BR SLI CLY HD DNS TR SS GY N S  
 1120-1130 LS- MD BR SLI CLYEY HD DNS ETHY W/LS CM GY SLI CLY HD DNS  
 TR SH GY NO SHOW  
 1130-1140 AS ABOVE  
 1140-1150 SH- MD GY SLTY HD SLI CALC TR BRN LS NO SHOW  
 1150-1160 SH- AS ABO TR BRN LS  
 1160-1170 SH- AS AB W/LS MD BR HD DNS NO SHO  
 1170-1180 SH- GY CALC BR DESC BY H O ARNOLD  
 1180-1190 LS- LT BRN TR BRN MICRO-EARTHY W/TRANSLUCENT GY CHERT  
 1190-1200 LS- AS ABOVE W/CHERT  
 1200-1210 AS ABOVE  
 1210-1220 SH- GY CALC W/S CHERT  
 1220-1230 LS- TAN-BUFF EARTHY ARG IN PART W/BRN CHERT  
 1230-1240 SH- DK BRNH GY CALC-V CALC  
 1240-1250 SH- DK BRNH GY CALC-V CALC  
 1250-1260 SH- AS AB W/S SH LT GY-TAN V CALC  
 1260-1270 SH- AS AB TO SH GY-BRN NONCALC VERY SOFT  
 1270-1280 LS- TAN MICROEARTHY ARG IN PART W/TR CHERT  
 1280-1290 LS- AS AB TO SH V CALC TANH GY W/STRINGER OF V F-F DK GY  
 OSTRAC  
 1290-1300 LS- AS AB W/LT BRH GY CHERT TRANSLUCENT  
 1300-1310 LS- AS AB TO SH BRN V CALC W/CHERT BRN  
 1310-1320 SH- BRN TO GY SLI TO V CALC  
 1320-1330 SH- DK GY SLI CALC  
 1330-1340 SH- GY BRN CALC W/S LS LT BRN  
 1340-1350 SH- AS ABOVE  
 1350-1360 SH- CALC  
 1360-1370 MISSING  
 1370-1380 SH- BRNH GY V CALC W/TAN CHERT  
 1380-1390 SH- DK GY CALC  
 1390-1400 SH- AS ABOVE TO BRNH GY  
 1400-1410 SH- BRN-DK BRN V CALC W/ABUND BRN CHERT  
 1410-1420 SH- BRNH GY CALC W/S SH LT BRN  
 1420-1430 SH- GY AND BRNH GY CALC  
 1430-1440 AS ABOVE W/S MICA ARG SLT GY  
 1440-1450 SH- AS AB W/SLT V ARG GY YEL FLUOR V WK CUT  
 1450-1460 SH- GY BRN CALC TO TAN LS EARTHY V ARG SOFT  
 1460-1470 SH- LT BRN TO BRN TO BRNH GY CALC  
 1470-1480 SH- AS AB PRID GY CALC  
 1480-1490 SH- BRN GY PRID CALC  
 1490-1500 SH- LT GY GRNHGY SLI CALC  
 1500-1510 SH- AS AB TO SH BRN CALC SLTY W/SLT- V F SS GY CALC  
 1510-1520 SH- BRN CALC W/S SLT AS AB  
 1520-1530 SH- GY BRNHGY V CALC SLI MOTT W/SH LT BRN V CALC  
 1530-1540 SH- BRN- BRNH GY CALC  
 1540-1550 AS ABOVE  
 1550-1560 AS ABOVE  
 1560-1570 SH- AS AB W/ARICH BON SH V CALC  
 1570-1580 SH- BRN V CALC OIL SH TYPE

1580-1590 SH- LT BRN CALC W/SH LT GRNH GY SLI CALC  
1590-1600 SH- BRN CALC W/SLT GY V ARG YEL FLUOR  
1600-1610 SH- AS ABOVE  
1610-1620 SH- AS ABOVE W/TR CALCITE FRAC FILL  
1620-1630 SLT- V F SS GY ARG CALC FIRM SLI MICA W/GY CALC SH  
1630-1640 SLT- V F SS AS ABOVE  
1640-1650 SH- GY GYBRN CALC W/S SH LT BRN CALC  
1650-1660 SH- LT BRN CALC  
1660-1670 SH- LT BRN TO TAN TO SH DK BRN MORE CALC  
1670-1680 SH- LT BRN SOFT CLAYEY ON SH BRN PRID V CALC HD  
1680-1690 SS- V F GY CALC ARG GILSONITIC TITE  
1690-1700 SH- LT BRN-GY V CALC  
1700-1710 SH- BRN V CALC W/SH TAN SLI CALC SOFT EARTHY  
1710-1720 SH- AS AB W/TR ACLCITE AND OIL FRAC FILL  
1720-1730 SH- BRN V CALC W/S SH GY V CALC TO SOFT BK SH FLAKY  
1730-1740 SH- TAN SLI CALC SOFT CLAYEY W/SH BRN V CALC  
1740-1750 SH- TAN SH CALC TO SH BRN V CALC W/S CHERT TR OSTRAC  
1750-1760 SH- LT BRN CALC  
1760-1770 AS ABOVE  
1770-1780 SH- BRN CALC  
1780-1790 AS ABOVE  
1790-1800 AS ABOVE  
1800-1810 SH- AS ABOVE W/OCC CALCITE FRAC FILL  
1810-1820 AS ABOVE  
1820-1830 AS ABOVE  
1830-1840 AS ABOVE  
1840-1850 SH- AS ABOVE BECOMING V CALC W/TR OIL STN ON CALCITE FRAC  
1850-1860 AS ABOVE  
1860-1870 SH- AS ABOVE OCC SLT STK  
1870-1880 AS ABOVE  
1880-1890 SH- AS ABOVE W/STK GY CALC PYOC SLTY  
1890-1900 SH- AS ABOVE W/S SLT AS AB TO GILS FRAC FILL  
1900-1910 SH- BRN- LT BRN CALC- SLI CALC W/TR OIL STN ON FRAC  
1910-1920 SH- LT BRN CALC  
1920-1930 SH- BRN CALC W/TR PYR  
1930-1940 AS ABOVE  
1940-1950 NO SAMPLE  
1950-1960 SH- BRN V CALC W/INTERMIXAL GNSH SH  
1960-1970 AS ABOVE  
1970-1980 AS ABOVE  
1980-1990 SH- AS AB BECOMING FRAGMENTS BY EARTHY CLAY ALMOST A LS  
1990-2000 SH- BRN V CALC TO SH LT BRN FRAGMENTS AREN CLAYY  
2000-2010 SH- AS AB W/ABND CALCITE VUG AND FRAC FILL  
2010-2020 SH- AS AB W/GY V CALC SH PYRC ALMOST LS  
2020-2030 SH- BRN V CALC W/S SH LT BRN SOFT  
2030-2040 AS ABOVE  
2040-2050 SH- GY CALC  
2050-2060 SH- AS AB TO SH BRN CALC  
2060-2070 SH- BRN CALC TO SH TAN CLAYY SLI CALC SOFT  
2070-2080 SH- LT BRN SLI CALC TO CALC W/S SH LT GY CALC  
2080-2090 SH- AS AB TO SH LT GY CALC  
2090-2100 SH- BRN CALC W/S SH LT BRN SOFT CLAYY  
2100-2110 SH- BRN TO LT BRN CALC W/S SH GY CALC  
2110-2120 SH- AS AB W/TR PYR  
2120-2130 SH- AS ABOVE  
2130-2140 SH- LT GY CALC TO PYR W/S SH LT BRN CALC  
2140-2150 SH- BRN CALC  
2150-2160 AS ABOVE  
2160-2170 AS ABOVE  
2170-2180 AS ABOVE  
2180-2190 NO SAMPLE  
2190-2200 SH- BRN SLI GY CALC LOWER GAS READINGS  
2200-2210 SH- LT GYH BRN CALC

2210-2220. NO SAMPLE  
2220-2230 SH- LT BRN CALC W/S BRNH GY CALC SH  
2230-2240 SH- BRN CALC  
2240-2250 AS ABOVE  
2250-2260 SH- BRN CALC  
2260-2270 SH- BRN CALC TO GYH BRN  
2270-2280 AS ABOVE  
2280-2290 AS ABOVE  
2290-2300 SH- BRN CALC W/CALCITE FRAC FILL TR STN  
2300-2310 SH- BRN CALC W/OCC SLT STK  
2310-2320 SH- LT BRN CALC  
2320-2330 AS ABOVE  
2330-2340 AS ABOVE  
2340-2350 SH- BRN CALC  
2350-2360 AS ABOVE  
2360-2370 AS ABOVE  
2370-2380 AS ABOVE  
2380-2390 SH- AS ABOVE W/INCR SH- DK BRN SLTY  
2390-2400 AS ABOVE  
2400-2410 SH- GY HD SLTY SL CALC W/SH- AS ABOVE  
2410-2420 AS ABOVE  
2420-2430 SLT- GY SL CALC MIC W/SH - AS ABOVE  
2430-2440 AS ABOVE  
2440-2450 SH- AS AB W/TR BRN CHT  
2450-2460 AS ABOVE  
2460-2470 SH- BRN CLAC SLTY W/SLT AS ABOVE  
2470-2480 SH- AS ABOVE W/TR SS- GY F GRN SIL MATRIX  
2480-2490 SLT- DB GY HD W/SH- AS ABOVE  
2490-2500 AS ABOVE  
2500-2510 SH- BRN CALC SLTY IN PART  
2510-2520 AS ABOVE  
2520-2530 SH- AS ABOVE W/SH- DK GY SLTY MIC  
2530-2540 SH- A A W/SS- BRN F GR SIL PYR  
2540-2550 SH- DB BRN MIC SLTY W/SH- AS ABOVE  
2550-2560 SH- AS ABOVE W/SH- LT BRN CALC  
2560-2570 AS ABOVE  
2570-2580 SLT- LT BRN HD CALC W/SH AS ABOVE  
2580-2590 AS ABOVE  
2590-2600 SH- BRN CLAC SLTY W/SLT- BRN CALC  
2600-2610 AS ABOVE  
2610-2620 SH- BLK MIC SL CALC W/SH- AS ABOVE  
2620-2630 AS ABOVE  
2630-2640 SH- BRN CALC W/SH- AS ABOVE  
2640-2650 SH- AS ABOVE W/TR O S ON FRAC  
2650-2660 SS- BRN FGRN SUBRDD HD TGT TR O S NO POR  
2660-2670 SH- GY SL CALC SLTY  
2670-2680 NO SHOW  
2680-2690 AS ABOVE  
2690-2700 AS ABOVE  
2700-2710 SH- AS ABOVE W/INCR SLT- BRN CALC  
2710-2720 SH- BRN CALC SLTY IN PART W/SH- AS ABOVE  
2720-2730 AS ABOVE  
2730-2740 SLT- BRN CALC HD W/SH- GY SL CALC  
2740-2750 AS ABOVE  
2750-2760 SH- BRN CALC W/SLT AS ABOVE  
2760-2770 NO SAMPLES  
2770-2780 AS ABOVE  
2780-2790 SH- AS AB W/SS- WHT F GRN TGT NO SHOW  
2790-2800 AS ABOVE  
2800-2810 AS ABOVE  
2810-2820 SH- TAN SL CALC SLTY MIC  
2820-2830 SLT- BRN CALC SDY HD TGT  
2830-2840 SS- BRN VF GRN CALC SLTY TBT NO SHOW

23

2840-2850 SH- AS BOVE W/SLT- AS AB  
2850-2860 SH- BRN CALC S Y W/SS- AS ABOVE  
2860-2870 NO SHOW  
2870-2880 SH- BRN SL CALC BENTC W/SH- AS ABOVE  
2880-2890 AS ABOVE  
2890-2900 SLT- BRN CALC TGT W/SH- AS ABOVE  
2900-2910 AS ABOVE  
2910-2920 SH- GY CLAC W/SH- AS ABOVE  
2920-2930 AS ABOVE  
2930-2940 AS ABOVE  
2940-2950 BENT- GY BLCKY W/SH- AS ABOVE  
2950-2960 AS ABOVE  
2960-2970 AS ABOVE  
2970-2980 SH- AS ABOVE W/SH- BRN CALC OIL SHALE  
2980-2990 SH- BRN CALC SLTY W/BENT- AS ABOVE  
2990-3000 AS ABOVE  
3000-3010 SH- AS ABOVE W/BENT- AS ABOVE  
3010-3020 AS ABOVE  
3020-3030 AS ABOVE  
3030-3040 SH- AS ABOVE W/LS- BRN HD BLCKY  
3040-3050 SH- AS ABOVE W/SS- GY F GRN SUBRDD SIL TGT  
3050-3060 SH- DK BRN CALC OIL SHALE BLCKY O S IN FRACS  
3060-3070 AS ABOVE  
3070-3080 SH- AS ABOVE TR O S IN FRACS  
3080-3090 SH- AS ABOVE TR O S IN FRACS  
3090-3100 AS ABOVE  
3100-3110 SH- GY SLTY BLKY W/SH- AS ABOVE  
3110-3120 SLT- BRN HD SLI CALC W/SH- AS ABOVE  
3120-3130 SH- BRN SL CALC W/LS- BUFF DNS  
3130-3140 LS- BUFF DNS TR O S W/SH- AS ABOVE  
3140-3150 SH- BRN SLTY  
3150-3160 SH- AS ABOVE W/LS- AS ABOVE  
3160-3170 SH- AS ABOVE W/SH- TAN SL CALC HD  
3170-3180 SH- GY BENTC SL CALC W/SH- AS ABOVE  
3180-3190 SH- BRN SLTY  
3190-3200 SH- GY SOFT BLKY W/SH- AS ABOVE  
3200-3210 SLT- BRN SDY TGT W/SH- AS ABOVE  
3210-3220 SS- GY VRN F GRN SUBRDD SIL TGT NO SHOW  
3220-3230 SH- DK BRN SL CALC OIL SHALE  
3230-3240 SS- WHTR LT BRN F VC SUB ANG SIL TGT NO SHOW CHT  
3240-3250 SH- BRN- SL CALC SLTY W/SS- AS ABOVE  
3250-3260 SH- AS ABOVE  
3260-3270 AS ABOVE  
3270-3280 AS ABOVE  
3280-3290 AS BOVE  
3290-3300 AS ABOVE  
3300-3310 SH- DK BRN SL CALC OIL SHALE OS IN FRACS  
W/SS- BRN FGRN SUBRDD O S GOOD CUT  
3310-3320 SH- AS ABOVE W/OS IN FRAC  
3320-3330 AS ABOVE  
3330-3340 NO SHOW  
3340-3350 SH- AS ABOVE W/OS IN FRACS  
3350-3360 SH- AS ABOVE W/SH- TAN CALC TR O S IN FRACS  
3360-3370 SH- AS ABOVE W/SLT- BRN SL CALC TR OS  
3370-3380 AS ABOVE  
3380-3390 SH- AS ABOVE W/SLT- DK GY V HD SL CALC  
3390-3400 SLT- GY V HD SL CALC  
3400-3410 SH- GY GN BLKY SL BENTC W/SLT- AS ABOVE  
3410-3420 SH- AS ABOVE W/SLT- WHT HD CALC  
3420-3430 SH- AS ABOVE  
3430-3440 AS ABOVE  
3440-3450 SH- AS ABOVE W/INCR SH- BRN  
3450-3460 SH- BRN SL CALC OIL SHALE

3460-3470 SH- AS ABOVE W/SH- AS ABOVE  
3470-3480 SH- AS ABOVE SH- AS ABOVE  
3480-3490 SLT- GY SL CALC SL SIL HD & TGT  
3490-3500 SH- GY SLTY SL CALC W/SH- AS ABOVE  
3500-3510 AS ABOVE  
3510-3520 AS ABOVE  
3520-3530 AS ABOVE  
3530-3540 AS ABOVE  
3540-3550 SH- BRN SL CALC OIL SHALE  
3550-3560 AS ABOVE  
3560-3570 SH- AS ABOVE W/LS- TAN DNS  
3570-3580 AS ABOVE  
3580-3590 SH- AS ABOVE W/SLT- TAN HD SL CALC  
3590-3600 AS ABOVE  
3600-3610 AS ABOVE  
3610-3620 SH- GY SL BENTC W/SH- AS ABOVE  
3620-3630 AS ABOVE  
3630-3640 AS ABOVE  
3640-3650 SH- BRN SL CALC LS- BRN DNS  
3650-3660 SS- BRN M CRS GRN SUB ANG TGT GOOD O S & CUT FLOUR  
W/SH- AS ABOVE  
3660-3670 AS ABOVE  
3670-3680 SH- AS ABOVE W/SH- BRN CALC  
3680-3690 SLT- GN V HD SIL W/SS- AS ABOVE  
3690-3700 SH- AS ABOVE W/SH- BRN BLKY CALC  
3700-3710 SS- LT BRN F M GRN SUBANG  
3710-3720 SH- BRN SL CALC BLKY W/SS- AS ABOVE  
3720-3730 SLT- GY VHD SIL MIC  
3730-3740 SH- BRN V CALC  
3740-3750 SH- AS ABOVE W/SH- GY BLKY  
3750-3760 AS ABOVE  
3760-3770 SH- AS ABOVE W/SLT- WHT V HD  
3770-3780 SH- AS ABOVE W/SL O S IN CAL STRKS  
3780-3790 AS ABOVE  
3790-3800 SLT- BRN SL CALC HD W/SH- AS ABOVE  
3800-3810 AS ABOVE  
3810-3820 AS ABOVE  
3820-3830 SH- GY GN SLTY SL CALC  
3830-3840 SLT- GY HD CALC W/SH- AS ABOVE  
3840-3850 AS ABOVE  
3850-3860 SH- BRN CALC BLKY W/SLT- AS ABOVE  
3860-3870 SH- AS ABOVE LOST CIRC SAMPLE  
3870-3880 SLT- GY GN HD TGT SL CALC MIC  
3880-3890 AS ABOVE  
3890-3900 SH- AS ABOVE W/SH- BRN CALC  
3900-3910 AS ABOVE  
3910-3920 SH- AS ABOVE W/SS- BRN F GRN SUB RDD N S TGT  
3920-3930 SH- DK BRN DNS BLKY CALC MIC  
3930-3940 SH- AS AB W/SH- TAN DNS SLTY SL CALC  
3940-3950 SH- AS ABOVE W/SH- TAN SLTY  
3950-3960 SH- AS ABOVE W/LS- BRN DNS  
3960-3970 AS ABOVE  
3970-3980 AS ABOVE  
3980-3990 SH- BRN SL CALC BLKY W/SH- A ABOVE  
3990-4000 SH- A A W/LS- BRN DNS W/SH- GY-GRN  
4000-4010 SH- GY SL SLTY CALC W/SH- AS ABOVE  
4010-4020 SH- AS ABOVE W/SH- BRN CALC BLKY  
4020-4030 SH- BRN CALC BLKY SL MIC W/SH- AS ABOVE  
4030-4040 AS ABOVE  
4040-4050 AS ABOVE  
4050-4060 AS ABOVE  
4060-4070 AS ABOVE  
4070-4080 SH- TAN CA6C SL SLTY W/SH- AS ABOVE

4080-4090 SH- AS ABOVE W/SH- DK GY SLTY  
 4090-4100 SH- DK GY CALC SLTY W/SH- AS ABOVE  
 4100-4110 SH- AS ABOVE W/SH- DK BRN CALC  
 4110-4120 SH- LT BRN CALC SLTY W/SH- AS ABOVE  
 4120-4130 SH- AS ABOVE W/SH- AS ABOVE  
 4130-4140 SH- DK GY CALC W/SH- AS ABOVE  
 4140-4150 AS ABOVE  
 4150-4160 SH- BRN DK BRN CALC BLKY W/SH- AS ABOVE  
 4160-4170 AS ABOVE  
 4170-4180 AS ABOVE  
 4180-4190 SH- AS ABOVE W/SH- TAN LT BRN SL CALC  
 4190-4200 SH- TAN V CALC SL BENTC W/LS- TAN DNS ARGILL  
 4200-4210 SH- AS AB NO SHOWS  
 4210-4220 SH- GY NG SLTY MIC OSTROCS  
 4220-4230 AS ABOVE  
 4230-4240 SH- AS ABOVE W/SH- BRN DNS CALC  
 4240-4250 SH- BEN V CALC SLTY W/SH- AS ABOVE  
 4250-4260 SLT- DK GY SL CALC ARGILL MIC  
 4260-4270 AS ABOVE  
 4270-4280 SH- BRN CALC BLKY W/SLT- AS ABOVE  
 4280-4290 SLT- BRN HD SL CALC  
 4290-4300 SH- BRN HD SL SIL PYR SL CALC  
 4300-4310 AS ABOVE  
 4310-4320 SH- AS ABOVE W/SH- GY GN HD SL CALC  
 4320-4330 SS- GY GN V F GRR SUBRDD V HD TGT MIC  
 4330-4340 SH- AS ABOVE W/SH- GY GN BLKY SL CALC  
 4340-4350 AS ABOVE  
 4350-4360 SH- BRN SL CALC SOFT W/SH- AS ABOVE  
 4360-4370 AS ABOVE  
 4370-4380 AS ABOVE  
 4380-4390 SH- DK BRN SL CALC W/SH- AS ABOVE  
 4390-4400 AS ABOVE  
 4400-4410 SH- AS ABOVE W/LS- GY DNS  
 4410-4420 SH- AS ABOVE W/SH- TAN SL CALC  
 4420-4430 AS ABOVE  
 4430-4440 SH- GY SL CALC SLTY W/SS- GY GN CALC F GRN  
 W/LS- TAN DNS SUC PYR  
 4440-4450 AS ABOVE  
 4450-4460 SH- TAN SL CALC BLKY W/SH AND LS AS ABOVE  
 4460-4470 SH- AS ABOVE W/SH- DK GY SLTY CALC  
 4470-4480 SH- DK GY CALC SLTY W/SH- TAN BRN  
 4480-4490 SH- BRN SL CALC  
 4490-4500 AS ABOVE  
 4500-4510 SH- AS ABOVE W/SH- BLK SLTY MIC  
 4510-4520 AS ABOVE  
 4520-4530 SH- GN MIC SL CALC MIC W/SH- AS ABOVE  
 4530-4540 SH- AS ABOVE W/SH- BRN BLKY  
 4540-4550 AS ABOVE  
 4550-4560 AS ABOVE  
 4560-4570 SH- BRN CALC BLKY V SLTY W/OS AND GOOD CUT  
 4570-4580 SH- DK BY CALC SLTY MIC W/SH- AS ABOVE  
 4580-4590 SH- DK GY & BRN CALC SLTY MIC  
 4590-4600 AS ABOVE  
 4600-4610 SH- AS ABOVE W/SH- LT TAN SLTY CALC  
 4610-4620 SH- AS ABOVE W/SLT- LT TAN V CALC  
 4620-4630 SH- TAN & GY GRN SLTY CALC MIC  
 4630-4640 AS ABOVE  
 4640-4650 SH- AS ABOVE W/LSI BRN ARGILL  
 4650-4660 AS ABOVE  
 4660-4670 SH- AS ABOVE W/SS- LT TAN V F GRN CALC  
 4670-4680 SH- LT TAN- BRN SLTY CALC W/STRKS OF SS AS AB  
 4680-4690 SH- LT TAN & GY GRN SLTY CALC MIC  
 4690-4700 AS ABOVE

4700-4710 SH- LT TAN CALC IN PRT W/S GY SH MIC & SILTSTONE MED GY  
 SL LIMEY AND MIC DESC BY M. DIX  
 4710-4720 SH- AS ABOVE W/PALE GY SH SL SLTY  
 4720-4730 SH- LT TAN SL CALC AS AB  
 4730-4740 SH- W/SILTSTONE AS AB  
 4740-4750 SH- TAN & GRN AS ABOVE  
 4750-4760 AS ABOVE  
 4760-4770 SH- GY GRN FLAKY & SH TAN V CALC  
 4770-4780 SH- W/SLTSTONE GY GN CALC TO LIMEY SL MIC  
 4780-4790 SH- SL INCR IN TAN SHALES AS ABOVE  
 4790-4800 SH- TAN W/SH BRN & GY MOTTLED  
 4800-4810 SH- TAN AS AB VF INTERBD GY GRN SLTSTN BEC ODOMITIC  
 4810-4820 SH- GY GRN HD & SILTSTONE AS AB  
 4820-4830 SH- GY GRN & SILTSTONE GY GRN  
 4830-4840 SLT- GY & GY GRN HRD SL DOLOMITIC & LINEG ENLY MICAC  
 4840-4850 SLST- AS ABOVE  
 4850-4860 SLST- AS AB & SHALE GY GRN SILTY SL DOLOMITIC  
 4860-4870 SS- BUFF TO WH V FN GR V SL CALC NO VISIBLE POR N S  
 4870-4880 AS ABOVE  
 4880-4890 SH- TAN & BRN CALC  
 4890-4900 SH- AS AB W/TR LIMESTONE BRN SUBLITHO V HD  
 4900-4910 LS- BRN TAN DNS V ARGILL W/SH AS AB  
 4910-4920 LS- AS AB VEF SH GY GRN CALC  
 4920-4930 SL- AS AB VY SH TAN  
 4930-4940 SH- TAN V CALC & SH GY GRN SL CALC  
 4940-4950 SH- GY GRN AS AB  
 4950-4960 SH- AS AB VEF INTERBD LMST  
 4960-4970 LS- LT GY GEN DNS SICTY W/SICTSTONE BUFF WH LIMEY H & T  
 4970-4980 SLST- LT GY GRN V TITE DOLO W/LS & SH  
 4980-4990 SH- TAN & GY VEF SLST AS AB  
 4990-5000 SH- INTERBD SH & SILT AS AB  
 5000-5010 SH- INTERBD SH & SILT AS AB  
 5010-5020 SH- GY & GY GRN SILTY SL DOLO  
 5020-5030 SH- AS AB W/SH BRN LIMEY-DOLOMITIC  
 5030-5040 SH- INTERBD AS AB  
 5040-5050 SH- INTERBD AS AB  
 5050-5060 SH- GY & GY-GRN W/BRN  
 5060-5070 AS ABOVE  
 5070-5080 SH- AS ABOVE BEC SLTY & FNLY MICAC  
 5080-5090 SH- AS ABOVE W/SILT STRINGERS  
 5090-5100 SH- BRN & GY AS ABOVE  
 5100-5110 SLST- GY ARGILL SL DOLOMITIC FNLY MICAC & SH AS AB  
 5110-5120 SH- AS AB W/TAN SHA  
 5120-5130 SH- GY TAN W/OSTRACODS & AS ABOVE  
 5130-5140 SH- GY SILTY SL DOLOMITIC  
 5140-5150 SS- W/O S GOOD CUT W/SH GY W/BLK OSTRACODS  
 5150-5160 SH- TAN BRN & GY GRN SL CALC  
 5160-5170 SH- TAN GY FNLY MICAC SL SILTY IN PRT  
 5170-5180 SH- GY SL DOLOMITIC SLTY & FNLY MICAC  
 5180-5190 AS ABOVE  
 5190-5200 SH- TAN & BRN W/ AS ABOVE  
 5200-5210 SH- TAN & BRN CALC  
 5210-5220 AS ABOVE  
 5220-5230 SH- AS ABOVE W/LMST BRN DNS ARGILL  
 5230-5240 AS ABOVE  
 5240-5250 SH- AS AB W/SH- GY & GY-GRN CALC IN PRT W/LS AS AB  
 5250-5260 SH- GY TAN & GY GRN SLTY IN PRT  
 5260-5270 SH- AS ABOVE  
 5270-5280 SH- TAN AS ABOVE  
 5280-5290 LMST- BRN DNS W/SH BRN LIMEY  
 5290-5300 SH- GY & GY BRN SL CALC  
 5300-5310 LMST- BRN V ARGILL & SH AS ABOVE  
 5310-5320 SH- AS ABOVE W/SILTSTONE GY HD LIMEY

27

5320-5330 SH- INTERBD SHS GY BRN TAN & LMST AS AB  
5330-5340 AS ABOVE  
5340-5350 AS ABOVE  
5350-5360 SH- BRN TAN GY & GRN W/TR SLST BUFF  
5360-5370 SS- BUFF TO LT BRN V FN TO FN HD WELL CMTED POOR  
VISIBLE POROSITY LT O S NO FLUOR SL CUT POOR P & P  
5370-5380 SS- AS AB W/QTZTIC STRKS  
5380-5390 SS- AS ABOVE  
5390-5400 SS- AS ABOVE  
5400-5410 SS- AS ABOVE  
5410-5420 SH- GY GRN CALC MARLY  
5420-5430 SH- AS AB W/INTERBD SLST LT GY SL ARG FNLY MICAC  
5430-5440 SH- GY GRN CALC MARLY  
5440-5450 SH- HS AS AB VEF SH TAN & SLST AS AB  
5450-5460 SH- GY GY GRN TAN BRN CALC  
5460-5470 SH- AS AB W/SILSTONE AS ABOVE  
5470-5480 SH- DK GY & DK BRN  
5480-5490 LMST- DK BRN OSTRACODAL W/SS WH V FN CALC SOFT  
5490-5500 SH- GY BLK & SLST LT GY WELL CMTD CALC  
5500-5510 LMST- GY OSTRACODAL & GY GRN TAN BRN SHALES  
5510-5520 SLST- LT GY WELL CMTD CALC  
5520-5530 LMST- AS AB VEF SHALE GY GRN CALC S-SILTY  
5530-5540 SH- MED DK GY FNLY MICAC & SLST AS ABOVE  
5540-5550 SH- AS ABOVE W/OSTRACODAL LS AS AB  
5550-5560 SH SILT AND LIMESTONE- AS ABOVE  
5560-5570 SH- DK GY & GY BRN FNLY MICAC SL SILTY IN PRT  
5570-5580 SLST- LT MED GY WELL CMTD FNLY MICAC & BUFF CALC IN PRT  
5580-5590 SH- GY GRN SL SILTY & SL CALC  
5590-5600 AS ABOVE  
5600-5610 SH- GY GY-GRN V CALC MARLY W/SLST AS ABOVE  
5610-5620 SH- W/SH TAN & BRN CALC  
5620-5630 SH- DK GY & GY BRN  
5630-5640 SH- GY GRN V CALC AS AB W/TAN SHALE & SILSTONE AS ABOVE  
5640-5650 SH- MED DK GY & GY BRN  
5650-5660 SH- GY GRN BRN  
5660-5670 SH- TAN & BRN V CALC MARLY W/AS ABOVE  
5670-5680 SHALE- GY-GRN AS AB W/SLTSTINTERBD AS AB  
5680-5690 SH- TAN TO LT BRN CALC HARD  
5690-5700 SH- GY BLK FNLY MICAC SL SILTY IN PRT  
5700-5710 SH- DK BRN & GY BRN CALC  
5710-5720 SH- W/TAN CALC SHALE  
5720-5730 SH- LT GY FNLY MICAC W/SILTSTONE LT GY HRD WELL CMTD LIMEY  
5730-5740 SH- GY GRN CALC SILTY IN PRT  
5740-5750 SH- W/SHALE LT TAN SL CALC  
5750-5760 SH- INTERBD SHALES AS ABOVE  
5760-5770 AS ABOVE  
5770-5780 SH- GY GRN AS AB W/SILTSTONE GY WH & TR LIMESTONE BRN OSTR  
5780-5790 SH- AS AB TR LIMESTONE OSTRACODED N POR  
5790-5800 SH- GY GRN CALC MARLY  
5800-5810 SH- AS AB W/SOME TAN & BRN  
5810-5820 AS ABOVE W/S TAN & BRN  
5820-5830 SLST- LT GY FNLY MICAC V SL CALC FAIRLY SOFT  
5830-5840 SS- LT GY V FN CALC WELL CMTD W/SOME SS LT BRN V FN  
5840-5850 SH- W/POOR P & P W/O S FNCY MICAC IN PRT INCR IN GASKICK  
5850-5860 SS- AS ABOVE  
5860-5870 SH- GY GY-GR BRN CALC & SS AS ABOVE  
5870-5880 AS ABOVE  
5880-5890 AS ABOVE  
5890-5900 AS ABOVE  
5900-5910 SH- TAN V CALC  
5910-5920 SH- TAN V CALC & SOME BRN SH  
5920-5930 SH- AS AB W/LMST TAN DNS V HD SILIC ARGILL  
5930-5940 LM- AS AB W/TR O S NO FLUOR & POOR CUT



5940-5950 LM- AS AB W/SH GY GRN TAN CALC AS ABOVE  
5950-5960 LM- AS AB W/SH TY OS ON FRAC & W/SLTST LIGY CALC TITE  
FNLY MICAC  
5960-5970 SH- MED TO DK GY GY BRN FNLY MICAC  
5970-5980 SH- DK BRN LIMEY V HRD  
5980-5990 SH- AS AB W/LIMESTONE LT TAN SM LITHO V HD V ARGILL  
5990-6000 SH- LT GRN LIMEY HD FNLY MICAC & GY FRN SH AS ABOVE  
& W/LIMESTONE AS ABOVE  
6000-6010 SH- BRN & GY V LIMEY SHARP & BRITTLE  
6010-6020 AS ABOVE  
6020-6030 SH- AS ABOVE W/SC OS ON FRACS  
6030-6040 SH- AS ABOVE W/GY GRN SHALE AS ABOVE  
6040-6050 SH- BRN & GY BEN V LIMEY V HRD DNS  
6050-6060 SH- AS ABOVE W/TR O S ON FRAC  
6060-6070 SH- AS ABOVE  
6070-6080 SILTSTONE- LIGY CALC SOFT TO V HRD QTZTITIC TR POOR SOIL S  
6080-6090 SLTST- AS ABOVE B&C MICAC  
6090-6100 SLTST- AS ABOVE W/TAN & GRN CALC SHALE  
6100-6110 SILTSTONE- AS ABOVE W/SH LIGY & GRN CALC SILTS  
6110-6120 SH- GY GRN CALC  
6120-6130 SH- W/GY BRN SHALES  
6130-6140 SLST- GY LIMEY ARGILL MICAC W/SHALE GY SILT  
6140-6150 SH- BRN HRD LIMEY  
6150-6160 SH- AS ABOVE W/GY GRN  
6160-6170 NO SAMPLE  
6170-6180 SLTST- LIGY TO V FN SS CALC HD WELL CMTD SILIC IN PRT  
6180-6190 AS ABOVE  
6190-6200 SH- AS ABOE W/SH GY- GRN CALC  
6200-6210 SH- TAN GY GRN OLIVE SL CALC  
6210-6220 SH- TAN & BRN SL SILTY W PRT CLAC  
6220-6230 SILTSTONE- LT GY LIMEY WELL CMTD H & T  
6230-6240 SLTSTONE- W/SANDSTONE GY TAN V FN POOR TO FAIR POROCITY  
W/SPOTTY BLCK OIL STAIN POOR FLUOR  
6240-6250 SH- AS ABOVE W/BRN SLTY BRN SH W/SPOTTY O S FAIR CUT  
6250-6260 AS ABOVE  
6260-6270 SH- AS ABOE W/INTERBD SH LIKE AB TR O S  
6270-6280 SH- GY GRN AS ABOVE W/ISIT  
6280-6290 SLTST- AS ABOVE TR O S  
6290-6300 SH- SL INCR IN MICA IN SILTSTONE  
6300-6310 SILTSTONE- GRDING TO V FN SAND STONE  
6310-6320 SH- AS ABOVE W/SPOTTY POLK O S NO FLUOR NO CUT  
6320-6330 SLTST- LT GY SOFT ARGILL MICAC CALC W/TR SPOTTY DEAD O S  
6330-6340 SH- W/SH TAN & BRN V LIMEY H&T  
6340-6350 SLTSTONE- AS ABOVE BLC DKR GY & INCR IN ARGILL  
6350-6360 SH- GY GY-GRN TAN BRN & LMST TAN DNS ARGILL SILIC  
6360-6370 SH- GY-BLK BLOCKY W/DK GY SILT STRKS POSSIBLE DEAD O S  
6370-6380 SH- INTERBD SHALES AS ABOVE  
6380-6390 SH- TAN & BRN V LINES SILIC W/TR BLACK O S ON FRACS  
6390-6400 SH- AS ABOVE W/LIMESTONE TAN DNS SILIC SL ARGILL W/TR BLK  
O S ON FRAC NO FLUOR  
6400-6410 SH- LIMESTONE AS ABOVE  
6410-6420 SH- GY GY-GRN CALC  
6420-6430 SH- AS ABOVE W/SILT STRKS  
6430-6440 SH- TAN & GY SHALES & CLEAR ANGULAR QTZ XLS W/SILTSTONE  
6440-6450 SH- AS ABOVE W/SS WH V FN N S W/LOOSE XLS AS ABOVE  
6450-6460 SH- GY-BLK & DK BRN PETROLIFEROUS CARBONACEOUS CALC  
6460-6470 SH- AS ABOVE W/SILTSTONE STRINGERS  
6470-6480 SH- GY-BLK LUMPY AS ABOVE CALC AS ABOVE  
6480-6490 AS ABOVE  
6490-6500 AS ABOVE  
6500-6510 SH- BLACK COALY APPEARING IN PART  
6510-6520 SH- GY-GRN TAN CALC HD SILTY IN PRT W/SLTST LT GY HD LIMEY  
6520-6530 SH- INTERBD AS ABOVE W/TAN CALC

6530-6540 SH- TAN GY GRN GY CALC W/TR SS M GOOD P & Y N S W/BLK O S  
ON FRAC OF SHAL  
6540-6550 SH- DK GY-BRN V LIMEY HARD  
6550-6560 SH- GY GRN TAN GY CALC  
6560-6570 SILTS- ONE GY WH WELL CMTD LIMEY  
6570-6580 SH- GY GY-GRN TAN GRN BRN CALC  
6580-6590 SH- AS ABOVE W/SILTSTONE AS ABOVE  
6590-6600 SH- INTERBD AS ABOVE  
6600-6610 SILTSTONE- LT GY SOFT CALC ARGILL  
6610-6620 SLTST- AS ABOVE W/CANBANACEOUS SPOTS  
6620-6630 SLTST- AS ABOVE BEC LIMEY AND TITE  
6630-6640 SILTSTONE- W/SH TAN CALC HARD  
6640-6650 SH- TAN GY & GY-GRN CALC TO LIMEY TEXTURE  
6650-6660 SILTSTON AS ABOVE W-SH GY SILTY  
6660-6670 SH- TAN GY GY-GRN AS ABOVE SLTY IN PRT  
6670-6680 SH- GY BLK & BRNSH BLK LUMPY CARBONACEOUS CALC  
6680-6690 SH- AS ABOVE W/SH GY & GN CALC SILTY  
6690-6700 SH- AS ABOVE W/TR SS BUFF GY M ANG GOOD P & P  
6700-6710 SH- W/TR SS AS AB BLK HVY BLK O S NO FLUOR GOOD CUT  
6710-6720 SLTST- LT GY CALC TO LIMEY WELL CMTD SL MICAC  
6720-6730 SH- DK BRNSH-GY V LIMEY HARD SHARP  
6730-6740 SH- AS AB W/GY-BLK LUMPY SL CALC CARBONACEOUS  
6740-6750 SS- LT GY V FN SL CALC WELL CMTD POOR P & P  
6750-6760 SS- AS ABO W/SH GY SILTY  
6760-6770 SH- GY & GY GRN CLAC  
6770-6780 SLTST- GY CLAC SL ARGILL  
6780-6790 SH- GY BLK LUMPY SL CALC AS ABOVE  
6790-6800 SH- AS ABOVE  
6800-6810 SH- AS ABOVE  
6810-6820 SH- AS ABOVE  
6820-6830 SH- GY GY-GRN TAN CALC  
6830-6840 SH- TAN V LIMEY & SHALES AS ABOVE  
6840-6850 SH- GY GY-GRN CALC  
6850-6860 SH- DK GRY M GY W/S LT GY  
6860-6870 SH- TAN LIMEY W/SLTST LT GY LIMEY WELL CMTD  
6870-6880 SH- DK GY & GY-BRN SL CALC  
6880-6890 SH- AS ABOVE  
6890-6900 AS ABOVE  
6900-6910 SH- AS AB W/TR SILTSTONE LT GY  
6910-6920 SS- LT GY V FN TO SILT SIZE CALC SOFT TO LIMEY HD & TITE  
6920-6930 SS- W/TR SPOTTY O S  
6930-6940 SH- DK GY TO GY BLK CALC LUMPY  
6940-6950 AS ABOVE  
6950-6960 AS ABOVE  
6960-6970 AS ABOVE  
6970-6980 SH- W/SHALE TAN V LIMEY  
6980-6990 SH- AS AB W/TR SS GY POOR P & P W/TR O S  
6990-7000 AS ABOVE  
7000-7010 AS ABOVE  
7010-7020 AS ABOVE  
7020-7030 SH- AS ABOVE W/TR SS AS ABOVE  
7030-7040 AS ABOVE  
7040-7050 AS ABOVE  
7050-7060 AS ABOVE  
7060-7070 SH- AS ABOVE W/S TAN LIMEY SHALE  
7070-7080 AS ABOVE  
7080-7090 AS ABOVE  
7090-7100 SH- W/SH LT GRN SL SILTS AND CALC  
7100-7110 SH- LT GRN & TAN V CALC AS ABOVE W/TR SS LT TAN FN SL CALC  
W/FAIR POR W/LT O S FAIR FLUOR & CUT  
7110-7120 SH- TAN V CALC HD W/TR SILTSTONE LT SS LIMEY  
7120-7130 SH- TAN & BRN W/SH BRN V CALC TO ARGILL LIMESTONE  
7130-7140 SH- W/LMST LT BRN DNS ARGILL SL SILIC V HD

52

7140-7150 SH- TAN & GY BRN AS ABOVE W/LT GRN SLTY SL CALC SH  
7150-7160 SH- GRN CALC M... Y W/ ABOVE  
7160-7170 SH- AS ABO W/SS GRN DNS LIMEY V HRD PYRITIC  
7170-7180 SH- DK GY & DK BRN CALC  
7180-7190 AS ABOVE  
7190-7200 SH- AS ABOVE W/SOME TAN LIMEY  
7200-7210 AS ABOVE  
7210-7220 SH- TAN TO BRN LIMEY V HD W/LT GY S/SILTY AND CALC  
7220-7230 SH- W/LIMESTONE BRN DNS ARGILL  
7230-7240 SH- LT GRN CALC W/LIMESTONE AS ABOVE  
7240-7250 SH- INTERBD SHLAES AS ABOVE W/SILTSTONE LT GY LIMEY  
7250-7260 SH- LT GN SHALE & LIMESTONE STRINGER AS ABOVE  
7260-7270 SH- LIMESTONE & SILTSTONE AS ABOVE  
7270-7280 SS- LT GY WHITE FN LIMEY WELL CMTD H & T  
W/LIMESTONE GY BRN DNSE ARGILL  
7280-7290 AS ABOVE  
7290-7300 SH- DK GY SLTY MIC W/SS- AS ABOVE  
7300-7310 SH- BRN CALC SLTY W/SS WHT FGRU SUBRDD SL CLAC N S  
7310-7320 AS ABOVE  
7320-7330 SH- AS ABOVE W/SS- LT BRN V F GRN SUBRDD  
7330-7340 SH- AS ABOVE W/SS- AS ABOVE  
7340-7350 SH- GY GN MIC SLTY CALC  
7350-7360 SH- BRN CALC SDY IN PART W/SH- AS ABOVE  
7360-7370 AS ABOVE  
7370-7380 SH- AS ABOVE  
7380-7390 SH- GY BRN SL CALC MIC  
7390-7400 SH- BLK TO DK BRN SL CALC HD  
7400-7410 SH- AS ABOVE W/SS- LT BRN V F GRN SUBRDD SOFT N S  
7410-7420 SS- LT BRN SUBRDD MIC GRN SOFT  
7420-7430 AS ABOVE  
7430-7440 SH- AT ABOVE W/SH- GY TAN GY-GRN CALC  
7440-7450 SH- GX GY-GRN CAC SL SLTY W/SD- AS AB POOR SMPL  
7450-7460 SH- LT GRN SUBWAXY FRIABLE CALC AND SS LT GY V CALC TITE  
7460-7470 SH- AS AB W/LMST DK GY BRN DNS VARGILL & W/MUCH FN- V FN  
LOOSE QTZ GRAINS  
7470-7480 SH- LOOSE SAND AS B & SH DK GY W/MINUTE GLOBULES VASSLINE  
GOOD FLUOR NOTE SAMPLES ARE SPARCE STARTING AT 7434 DUE TO  
1215 LBS MUD CUTTINGS ARE CIRCULATING WITH MUD  
7480-7490 SH- LEIG POOR SAMPLE L C MATERIAL AND LOOSE SAND ONLY  
7490-7500 SH- LEIG POOR SAMPLE WALNUT HULLS ONLY  
7500-7510 SH- LT GRN SUB WAXY W/LOOSE SAND GRAIN & FLOATING MINUTE  
GLOBULES OF VASELINE GOOD FLUOR  
7510-7520 SH- GY GY-GRN & SOME DK GY SHALE & SS LT GY EN CALC TITE  
7520-7530 SH- GY GRN SL CALC  
7530-7540 SH- GY GRN BRN CALC IN PRT  
7540-7550 SS- LT GY V FN CALC WELL CMTD S & P IN PRT  
7550-7560 SH- AS ABOVE W/SHALE GY GY-GRN CALC AND SOME BRN CALC SHAL  
7560-7570 SH- AS ABOVE LT BRN IN PRT W/SH TAN & SOME BLK  
7570-7580 SAND & SHALE- AS ABOVE W/LMST BUFF TO BRN DNS  
7580-7590 SAND- AS AB W/SHALE GY GRN & RD BRN NOTTED & SHALE GY BLK  
TR O S ON FRAC  
7590-7600 SH- GY GRN FIBSILE FLAKY & GY BLK AS AB W/DECR IN SAND  
7600-7610 SS- LT GY V FN TO FN CALC TO LIMEY IN PRT  
7610-7620 SS- AS ABOVE PYRITIC IN PRT S & P IN PRT  
7620-7630 SS- AS ABOVE W/SHALE GY GY-GRN & OHOC CALC  
7630-7640 SH- GY GRN & RED BRN NOTTLED & SAND AS ABOVE  
7640-7650 SH- GY GRN CALC W/SILTY STRKS & DECR IN SAND  
7650-7660 SH- GY GY-GRN BEC SPLINTERY & FISSLE W/LMST GY DNS ARGILL  
7660-7670 SS- LT GY TO TAN FN TO M POORLY SRTD BLK & GRN SHALE PRT GS  
IN MATRIX CALC WELL CMTD POOR P & P N S  
7670-7680 SS- AS ABOVE  
7680-7690 SH- GY GRN & RED SRN MOTTLED & SAND AS ABOVE  
7690-7700 SANDSTONE- AS ABOVE

7700-7710 SH- RED-BRN MOTTLED GY GRN IN PRT  
7710-7720 LMST- DK GY BRN DNS ARGILL  
7720-7730 SH- LMST AS ABOVE  
7730-7740 SS- LT GY WH FN ANG CALC FRIABLE IN PRT FAIL P&P NO SHOW  
7740-7750 SH- GY BLK PETROLIFEROUS CALC LIMESTONE DK GRY BRN DNS ARGILL  
7750-7760 SH- GY BLK PETROLIFEROUS AS AB CALC  
7760-7770 SH- GY BLK AS ABOVE  
7770-7780 SH- AND SANDSTONE AS ABOVE  
7780-7790 SH- GY GRN FISSILE & RED BRN LUMPY SL CALC MOTTLED IN PRT  
7790-7800 SH- GY GRN SUBWAXY SILTY STRKS AND SS GY TAN V FN NS OR FLUOR  
7800-7810 SH- GY GRN SUBWAXY W/SS GY TAN V FN FRIABLE NO VISIBLE O S  
7810-7820 SH- RD-BRN SL CALC LUMPY & SH AS AB TR O S ON FRAC  
7820-7830 SH- INTERBD SHALES AS AB MOTTLED IN PRT  
7830-7840 SH- INTERBD RED-BRN GY GRN SHALES AS ABOVE  
7840-7850 SH- AS BOVE W/SILTY STRKS  
7850-7860 SH- AS ABOVE W/LMST MED GY DNS ARGILL STRKS  
7860-7870 SH- AS ABOVE W/SILTSTONE LT GY SL CALC FRIABLE  
7870-7880 SH- W/TR SANDSTONE LT GY FN CL CALC & TR O S ON FRAC OF SH  
7880-7890 SH- GY BLK & SH AS ABOVE  
7890-7900 SS- LT GY FN MED SL CALC SL FRIABLE S & P IN PART N S  
7900-7910 LS- DK GY DNS ARGILL & SH AS ABOVE  
7910-7920 SS- LT GY V FN TO FN LIMEY WELL CMTD & SAND AS ABOVE N S  
7920-7930 SH- SAND AS ABOVE W/SOME GY BLK PETROLIFEROUS SHALE  
7930-7940 SH- AND SICT INTERBD AS ABOVE  
7940-7950 SH- AS ABOVE W/BUFF CALC SHALE  
7950-7960 LS- GY BRN DNS ARGILL W/LT CHAUCY STRKS  
7960-7970 SH- GY TAN GY GRN- RED BRN & LS AS AB  
7970-7980 LS- AS B W/INTSBD SHALE AS ABOVE  
7980-7990 SH- TAN V DOLOC HD W/SHALE AS AB & GY BLC W/DOS  
7990-8000 SH- INTERBD AS AB W/SS LT GY FN CALC H&T  
8000-8010 SLTST- LT GY FN WELL CMTD SL CALC W/SILTY SH  
8010-8020 SS- GY& DIRTY TAN V FN TO MED W/PINK RD AND SOME GRN GRAN CALC WELL CMTD H&T NO SHOW  
8020-8030 SS- AS ABOVE  
8030-8040 SH- GY TAN BRN CALC IN PRT W/SLTST GY LIMEY H&T  
8040-8050 SH- AS ABOVE W/SHALE MRN  
8050-8060 SH- AS ABOVE W/SHALE MRN  
8060-8070 SH- INTERBD SHALES AS ABOVE W/SH GY-BLK MOTTLED  
8070-8080 SS- LT GY TO DIRTY TAN V FN TO FN CALC IN PRT H&T WS ORANGE RED SOFT SHALES SL ANHY DIRT  
8080-8090 SH- INTERBD SHALES GY GRN BRN TAN ORANGE RED & S GY-BLK  
8090-8100 AS ABOVE W/SANDSTONE AS AB & MRN GRN MOTTLED SHALE  
8100 TOTAL DEPTH

34

September 15, 1966

Gulf Oil Corporation  
P. O. Box 1971  
Casper, Wyoming 82601

Re: Well Nos. 1-Gulf Alkali Canyon,  
Sec. 31, T. 6 S., R. 4 W.,  
for the Month of August, 1966,  
Ute Tribal #1,  
Sec. 9, T. 4 S., R. 4 W.,  
Months of June thru' August, 1966,  
Ute Tribal #2,  
Sec. 8, T. 4 S., R. 5 W.,  
Duchesne County, Utah  
Months of July and August, 1966

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the above mentioned month (s), for the subject well. Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGCC-1b (U. S. Geological Survey Form 9-331, "Sundry Notices and Reports on Wells"), or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your immediate attention is required in this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANNETTE R. HANSEN  
RECORDS CLERK

arh

57  
Enclosures: Forms

November 4, 1966

Gulf Oil Corporation  
600 Oklahoma Mortgage Building  
Oklahoma City, Oklahoma 73102

Re: Ute Tribal #2,  
Sec. 8, T. 4S., R. 5W.,  
Duchesne County, Utah.

Gentlemen:

In checking our records we find that you have not filed Form 9-329 "Lessee's Monthly Report of Operations" for the above mentioned lease for the month of September showing production. It was noted that this lease sold 1,372.78 BBLS. of oil for the month of September.

It would be appreciated if you would send the above mentioned report as soon as possible.

Please be advised that this information is being held confidential.

Thank you.

Respectfully yours,

OIL & GAS CONSERVATION COMMISSION

JAN S. WAYMAN  
STATISTICIAN

JW

52

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1971, Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1980' SNL, 1978' EWL (SE NW)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

6-27-66

16. DATE T.D. REACHED

9-5-66

17. DATE COMPL. (Ready to prod.)

10-14-66

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

6180' GR.

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

8122'

21. PLUG, BACK T.D., MD &amp; TVD

---

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

8122'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

25. WAS DIRECTIONAL  
SURVEY MADE

Open Hole 8122'

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction and Density, Sonic - Gamma Ray

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"		56'	22"	100 sacks	
10-3/4"	40.5	754'	13-3/4"	325 sacks	
5-1/2"	20, 23, & 26	7366'	7-7/8"	225 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
						7308'	7308'

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8122' (Open Hole)	500 gallons 15% HCL

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9-21-66		Flowing 2" Open Choke				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-14-66	24	2"	→	1230	1310	0	1070:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
90	---	→	1230	1310	0	45.5°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Fuel and Vented

R. E. Pickering

35. LIST OF ATTACHMENTS

Two copies of each listed in item #26 above.

36. I hereby certify Original signed by attached information is complete and correct as determined from all available records

LESTER LaFAVOUR

SIGNED

TITLE Area Production Manager

DATE 12-21-66

\*(See Instructions and Spaces for Additional Data on Reverse Side)

cc: Utah Oil &amp; Gas Conservation Commission (2) with attachments

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 38. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DST #1 3290' - 3410'	SI 50 min., IF 16 min., FF 120 min., FSI 90 min., fluid 360' gas and water cut mud, 2790' sulphur water. Pressures: IF - 64 psi, FF - 1416 psi, ISI - 1421 psi, FSI - 1418 psi, IH - 1740 psi, FH - 1687 psi.		Basal Green River
DST #2 3640' - 3690'	SI 47 min., IF 15 min., FF 120 min., FSI 90 min., Recovered 1100' gas cut mud 926 gas cut sulphur water and mud, 554' gas cut water. Pressures: IF - 684 psi, FF - 1295 psi, ISI - 1574 psi, FSI 1553 psi, IH - 1909 psi, FH - 1837 psi.		Wasatch
DST #3 7285' - 7335'	SI 48 min., IF 12 min., FF 47 min., FSI 60 min. Tool open with strong blow. Gas gauged at 9980 MCF. Spray of oil. Pressures: IH - 3326 psi, FH - 3829 psi, ISI - 3319 psi, FSI - 3044 psi, IF - 1024 psi, FF - 1757 psi.		
DST #4 7260' - 7434'	SI 45 min., Open 3-1/2 hrs., FSI 3-1/2 hrs. Recovered 450' oil, slightly mud cut, 550' heavy oil cut mud and 765' mud. Pressures: IH - 4909 psi, FH - 4900 psi, ISI - 4535 psi, FSI - 4688 psi, IF - 400 psi, FF - 837 psi. Gas at 20,000 cu. feet at end of test.		
DST #5 7630' - 7787'	SI 45 min., open 2 hrs., SI 45 min., open with medium blow, decreased to very weak at end of 2 hrs., Recovered 125' mud, no gas. Pressures: IH - 5412 psi, FH - 5442 psi, ISI - 405 psi, FSI - 366 psi, IF - 61 psi, FF - 78 psi.		

DEC 27 1966



(Con't)

DST #6 Test Failed

DST #7 8006' - 8122'

SI 45 min., open 4 hrs., PSI 45 min., open with slight vacuum. Recovered 45' drilling mud. Pressures: IH - 5371 psi, PH - 5385 psi, ISI - 147 psi, FSI - 117 psi, IF - 92 psi, FF - 107 psi.

52

# Gulf Oil Corporation

CASPER PRODUCTION AREA

L. W. LeFavour  
AREA PRODUCTION MANAGER  
B. W. Miller  
AREA EXPLORATION MANAGER

November 23, 1966

P. O. Box 1971  
Casper, Wyo. 82601

*Confidential*

The State of Utah  
Oil and Gas Conservation Commission  
348 East South Temple - Suite 301  
Salt Lake City, Utah 84111

Attention: Mr. Paul W. Burchell, Chief Petroleum Engineer

RE: Gulf's Ute Tribal Wells No. 1 and  
No. 2, Duchesne County, Utah

Dear Mr. Burchell,

The following well test data has been obtained for your information:

Ute Tribal No. 1  
NW SW 9-4S-4W  
Duchesne County, Utah

Ute Tribal No. 2  
SE NW 8-4S-5W  
Duchesne County, Utah

Gas Flared MCFD	40.2
Gas to Conoco (approx.) MCFD	35.0
Gas for steam generator MCFD	14.4
Total MCFD	89.6
Oil BPD	162
GOR	553 cu.ft./bbl

Gas Flared MCFD	464
Gas to steam generator MCFD	24
Total Gas MCFD	488
Oil BPD	565
GOR	865 cu. ft./bbl

The above tests were taken on November 21, 1966.

The following gas analysis was obtained from Ute Tribal No. 2

	Separator Gas	Treater Gas
	Mol %	Mol %
Carbon Dioxide	0.54	0.43
Nitrogen	0.40	0.28
Methane	75.01	60.15
Ethane	13.24	15.52
Propane	6.28	10.88
Iso Butane	0.88	1.89
Normal Butane	1.63	3.87
Iso Pentane	0.38	1.19
Normal Pentane	0.46	1.49
Hexane +	1.18	4.30



Please inform us if we can assist you further.

Very truly yours,

*Lester LeFavour*

Lester LeFavour

JBD:rlk

51

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN ☒ REPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>IND 14-20-462-633</b>	
2. NAME OF OPERATOR <b>Gulf Oil Corporation</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Ute</b>	
3. ADDRESS OF OPERATOR <b>P. O. Box 1971, Casper, Wyoming</b>		7. UNIT AGREEMENT NAME <b>Ute Tribal</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1980' SNL, 1978' NWL (SE NW)</b>		8. FARM OR LEASE NAME <b>Ute Tribal</b>	
14. PERMIT NO.		9. WELL NO. <b>2</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>GR 6180'</b>		10. FIELD AND POOL, OR WILDCAT	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>8-48-3W 10N</b>	
		12. COUNTY OR PARISH <b>Duchesne</b>	
		13. STATE <b>Utah</b>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We propose to do the following reconditioning work on above to stimulate Production.

1. Move in completion unit and clean out open hole section from 7366' to TD 8122'.
2. Treat open hole section with 10,000 gallons of 15% HCL acid
3. Swab to clean up and test.

Original Signed by  
18. I hereby certify that the foregoing is true and correct

SIGNED **LESTER LAFAYOUR**TITLE **Area Production Manager**DATE **4/15/67**

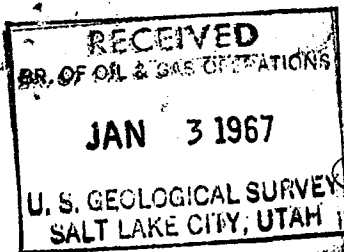
(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: Utah Oil & Gas Conservation Commission (2)  
Continental Oil Company  
Durango, Colorado (1) See Instructions on Reverse Side



# Gulf Oil Corporation

OKLAHOMA CITY PRODUCTION DISTRICT

A. C. Godbold  
DISTRICT MANAGER  
C. B. Hussey  
DISTRICT PRODUCTION  
MANAGER  
P. A. Weirich  
DISTRICT EXPLORATION  
MANAGER  
Keith Smiley  
DISTRICT SERVICES MANAGER

December 30, 1966

600 Oklahoma Mortgage Bldg.  
Oklahoma City, Okla. 73102

United States Department of the Interior  
Geological Survey  
Branch of Oil and Gas Operations  
8416 Federal Building  
Salt Lake City, Utah 84111

Attention: Mr. Rodney A. Smith

Gentlemen:

Ute Tribal No. 2, SE NW Sec. 8-4S-5W  
Duchesne County, Utah  
Your Ouray Tribal Lease No. 14-20-462-633

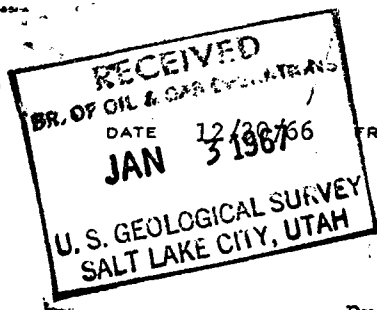
Your letter to Mr. LeFavour at Casper, Wyoming, dated December 20, 1966, concerning the possible waste of gas from our Ute Tribal No. 2 well, was forwarded to this office for reply.

This will advise that we too are concerned with the problem of the vented gas from the Ute Tribal No. 2. There is a gas line in the near vicinity; however, this line is a distribution line with the requirement that any gas delivered into it must have the BTU content controlled to close to 1000 BTU per cubic foot. The gas produced by the Ute Tribal No. 2 has a heating value of 1322 BTU per cubic foot at 120 psig separator pressure. Because of the low concentration of noncombustible components in the gas stream, nearly 100% of all the hydrocarbons except methane needs to be extracted in order to reduce the heating value to pipe line requirements. Equipment to do this is very expensive and certainly is not economical for the small volume available for processing.

We approached the owner of the nearby gas line with the suggestion of reducing the BTU content by mixing nitrogen, exhaust gases, or air with the produced gas. All of these proposals were objectionable because of the excessive cost or because of corrosion or safety problems with buyer's line and customers.

We have plans to commence a second well in this immediate area in January, 1967. This well will be located approximately one mile east of Ute Tribal No. 2. In the event the No. 3 well produces only a small volume of gas, then the gas from well No. 2 would be used as fuel to operate producing equipment for the new well. We currently do not have a well available that would be suitable for gas injection.





FROM C. B. Hussey

TO U. S. Dept. of Interior

SHEET NO. 2

Present production from the Ute Tribal No. 2 is about 350 bopd. At a GOR of 1063 cu. ft. per barrel, the volume of gas produced is 372 MCF/D. Approximately 25 MCF/D of this gas is consumed by the producing equipment, leaving around 347 MCF/D that is being vented.

Our Casper office advised that they have forwarded to your office the completion log (Form 9-330) that you requested by your letter of December 20, 1966.

We are continuing to study this area for a method of conserving the gas. We hope that future development will materially assist us in this regard.

Very truly yours,

C. B. HUSSEY

By

M. R. Smith  
M. R. Smith

MFB:en

cc Continental Oil Company  
1755 Glenarm Place  
Denver, Colorado

cc Mr. L. W. LeFavour  
Gulf Oil Corporation  
Casper, Wyoming

48  
GULF

Branch of Oil and Gas Operations  
8416 Federal Building  
Salt Lake City, Utah, 84111

December 20, 1966

Gulf Oil Corporation  
P. O. Box 1971  
Casper, Wyoming 82601

Attention: Mr. Lester LeFavour, Area Production Manager

Gentlemen:

I am concerned with possible waste of produced gas from your Ute Tribal No. 2 well, SW $\frac{1}{4}$  sec. 8, T. 4 S., R. 5 W., USM, Uintah and Ourey Tribal lease 14-20-462-633, Duchesne County, Utah.

The regulations, 30 CFR 221.35, provide that physical waste of gas shall be avoided unless the gas is consumed beneficially, marketed, or returned to the productive formation.

It is requested that you advise us as soon as possible of your plans regarding this well, especially plans to eliminate or minimize possible waste of gas. It may be necessary to restrict oil production from the well if there are no satisfactory plans for using or conserving the gas.

Also, in checking our records, we find that we have not yet received a completion log, our form 9-330, and accompanying information for this well. Please submit this delinquent report as soon as possible.

Sincerely yours,

(ORIG. SGD.) R. A. SMITH

Rodney A. Smith,  
District Engineer

cc: Continental Oil Co.  
1755 Glenarm Place  
Denver, Colorado

Casper  
File ✓  
Hold

RAS:ld

When last noted on 1/4 well flowing  
250 BOPD, FTP 200 psi. ~~FTP~~  
Now making some water. Flow  
decreased considerably from  
earlier tests. RAS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate\*  
(Other instruction re-verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. <b>IND 14-20-462-633</b>
2. NAME OF OPERATOR <b>Gulf Oil Corporation</b>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Ute</b>
3. ADDRESS OF OPERATOR <b>P. O. Box 1971 Casper, Wyoming</b>	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <b>At surface</b>  <b>1980' SNL, 1978' EWL (SE NW)</b>	8. FARM OR LEASE NAME <b>Ute Tribal</b>
	9. WELL NO. <b>2</b>
	10. FIELD AND POOL OR WILDCAT <b>Indian Ridge</b>
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>8-4-5N 10W</b>
14. PERMIT NO.	12. COUNTY OR PARISH <b>Duchesne</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>GR 6180'</b>	13. STATE <b>Utah</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on Well Completion or Recombination Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The following reconditioning work on above well was completed 5-8-67:

Moved in completion unit and cleaned out to 8116'.  
Ran 4-1/2" OD slotted liner from 8092' to 7942'.  
Acidized with 10,000 gallons 15% HCL acid.  
Swab to clean up and test.

Production before: 130 BOPD, 37 BWPD  
Production after: 231 BOPD, 48 BWPD ✓

18. I hereby certify that the foregoing is true and correct

SIGNED **Original Signed By  
LESTER LeFAVOUR  
Lester LeFavour**

TITLE **Area Production Manager**

DATE **6/7/67**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Oil & Gas Conservation Commission (2) ✓  
Continental Oil Company, P. O. Box 1121, Durango, Colorado (1)

\*See Instructions on Reverse Side



Don Enley - Galf - Wt. Grable  
Indian Ridge field

Watch = Cedar Point #3 zone

9602 - 9612

9582 - 9592

(good Bond) -

8664 - 8674

8688 - 8695

gas shows - on mud logs  
tested - treated - no good -

no recovery

No sands - fractures

8200 - good Cement Bonding up

↓  
when good show - test next

Mason's shale

Cost iron bridge plug set  
approx 8500 ft.

↓  
AOK ← well set and test held

~~May 1, 1970~~  
May 1, 1970

RM B

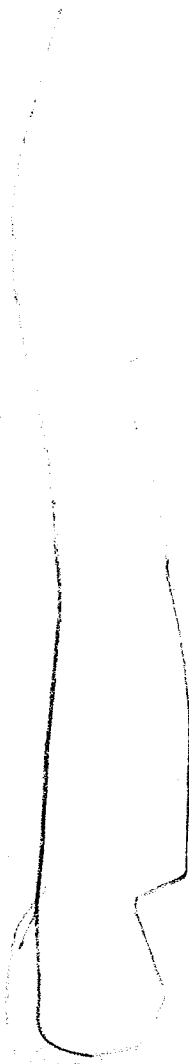


1/2

1/2

1/2

1/2



July 14, 1967

Gulf Oil Corporation  
P. O. Box 1271  
Casper, Wyoming

Re: Well No. Ute Tribal #2  
Sec 8, T. 4 S., R. 5 W.,  
Duchesne County, Utah.

Gentlemen:

In checking with our files it was noted that you have not yet received the "Lithology Report" for the above named well.

It would be greatly appreciated if we could receive said report as soon as possible.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON  
RECORDS CLERK

SC:cam

35

# Gulf Oil Corporation

CASPER PRODUCTION AREA

*File*  
L. W. LeFavour  
AREA PRODUCTION MANAGER  
B. W. Miller  
AREA EXPLORATION MANAGER

P. O. Box 1971  
Casper, Wyo. 82601

July 21, 1967

The State of Utah  
Department of Natural Resources  
Oil & Gas Conservation Board  
348 East South Temple - Suite 301  
Salt Lake City, Utah 84111

Re: Gulf Ute Tribal No. 2  
Section 8-4S-5W  
Duchesne County, Utah

Dear Madam:

Attached is Lithology Report on subject well as  
requested in your letter dated July 14, 1967.

Very truly yours,

Lester LeFavour

By:

*J. D. Mackay*  
J. D. Mackay

EBH:rlk

Attachment



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.5. LEASE DESIGNATION AND SERIAL NO.  
**IND 14-20-462-633**

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Ute</b>	
2. NAME OF OPERATOR <b>Gulf Oil Corporation</b>		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>P. O. Box 1971, Casper, Wyoming 82601</b>		8. FARM OR LEASE NAME <b>UTE/TRIBAL</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1930' SNL &amp; 1978' EWL (SE NW)</b>		9. WELL NO. <b>2</b>	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6194' KB</b>	
		12. COUNTY OR PARISH <b>Duchesne</b>	
		13. STATE <b>Utah</b>	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐PULL OR ALTER CASING ☐FRACTURE TREAT ☐MULTIPLE COMPLETE ☐SHOOT OR ACIDIZE ☐ABANDON\* ☐REPAIR WELL ☐CHANGE PLANS ☐(Other) **Dispose of water down hole** ☒

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐REPAIRING WELL ☐FRACTURE TREATMENT ☐ALTERING CASING ☐SHOOTING OR ACIDIZING ☐ABANDONMENT\* ☐(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This producing oil well now makes approximately 40 bbls water per day which has a chloride content of 2300 mg/L

Water is presently disposed of in an unlined pit. It is proposed to isolate the sand at 5340' - 5385' with cement & inject the produced water down the tubing casing annulus into this zone while pumping the producing zone from beneath a packer.

8122' - TD

7366' - 7' Csg set.

794' - 10-3/4" Csg set.

56' - 16" Csg set.

18. I hereby certify that the foregoing is true and correct

ORIGINAL SIGNED BY

SIGNED J. D. MACKAYTITLE Area Production ManagerDATE May 22, 1970J. D. Mackay

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Oil &amp; Gas Commission - (2)

Continental Oil Company - Box 1121, Durango, Colorado

\*See Instructions on Reverse Side

## CHEMICAL &amp; GEOLOGICAL LABORATORIES

P. O. Box 279

Casper, Wyoming

## WATER ANALYSIS REPORT

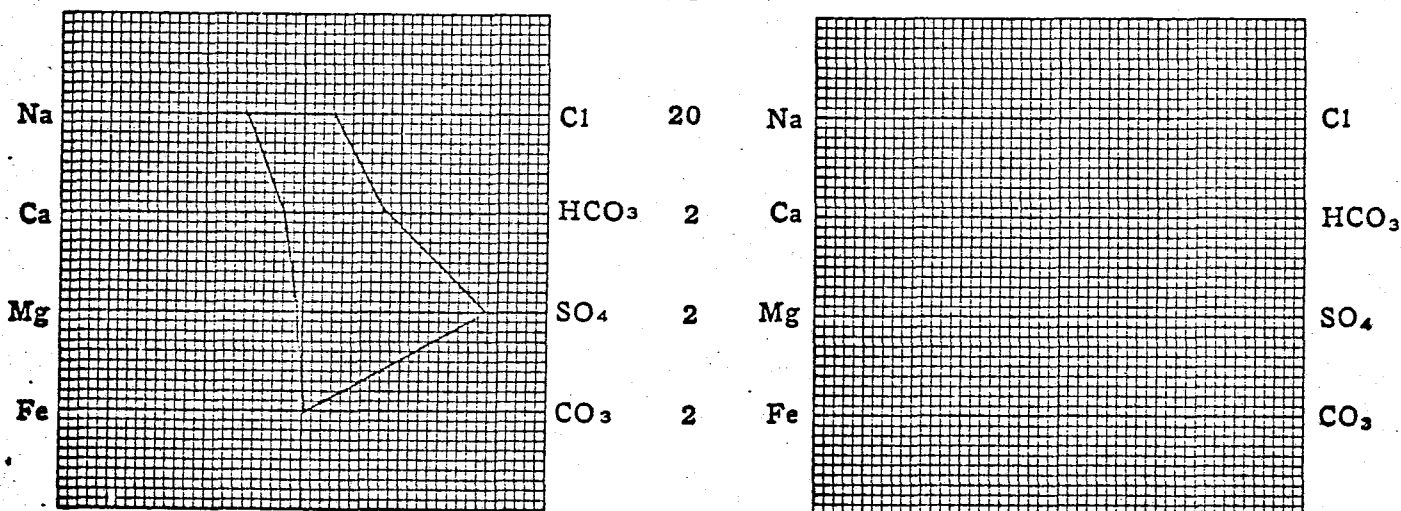
OPERATOR Gulf Oil Corporation DATE May 7, 1970 LAB NO. 3649-1  
 WELL NO. Ute-Tribal #2 LOCATION \_\_\_\_\_  
 FIELD \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY Duchesne INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM Produced water.

REMARKS & CONCLUSIONS: Cloudy water, clear filtrate.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	2594	112.86	Sulfate	1774	36.90
Potassium	32	0.82	Chloride	2300	64.86
Lithium	-	-	Carbonate	-	-
Calcium	75	3.74	Bicarbonate	1000	16.40
Magnesium	9	0.74	Hydroxide	-	-
Iron	absent	-	Hydrogen sulfide	absent	-
Total Cations		118.16	Total Anions		118.16
Total dissolved solids, mg/l			Specific resistance @ 68°F.:		
			Observed		
NaCl equivalent, mg/l			Calculated		
Observed pH					

## WATER ANALYSIS PATTERN

Sample above described  
 Scale  
 MEQ per Unit



(Na value in above graphs includes Na, K, and Li)

NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter

Sodium chloride equivalent=by Dunlap &amp; Hawthorne calculation from components

June 2, 1970

Gulf Oil Corporation  
P.O. Box 1971  
Casper, Wyoming 82601

Re: Water Disposal  
Indian Ridge Well #2  
Sec. 8, T. 4 S., R. 5 W.,  
Duchesne County, Utah

Dear Sir,

As provided for under Rule C-11 of the General Rules and Regulations, approval is hereby granted to utilize the above mentioned well for the underground disposal of brackish water.

This approval is conditional upon the ownership or control by Gulf of all the leases within 1/2 mile of the disposal well. If Gulf Oil Corporation does not own or control said leases notice must be given to all off-set leasees within 1/2 mile of the well (see Rule C-11).

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:jw

cc: U.S. Geological Survey

15

June 2, 1970

Gulf Oil Corporation  
P.O. Box 1971  
Casper, Wyoming 82601

Re: Water Disposal  
Indian Ridge Well #2  
Sec. 8, T. 4 S., R. 5 W.,  
Duchesne County, Utah

Dear Sir,

As provided for under Rule C-11 of the General Rules and Regulations, approval is hereby granted to utilize the above mentioned well for the underground disposal of brackish water.

This approval is conditional upon the ownership or control by Gulf of all the leases within 1/2 mile of the disposal well. If Gulf Oil Corporation does not own or control said leases notice must be given to all off-set leasees within 1/2 mile of the well (see Rule C-11).

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:jw

cc: U.S. Geological Survey



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE  
(Other instructions on re-  
verse side)Form approved  
Budget Bureau No. 42-31421

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

Duchesne

Utah

SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)1. OIL ☒ GAS ☐ SURVEY  
WELL ☐ WELL ☐ OTHER ☐

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1980' SHL &amp; 1973' EWL (SE NW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6194' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐PULL OR ALTER CASING ☐FRACTURE TREAT ☐MULTIPLE COMPLETE ☐SHOOT OR ACIDIZE ☐ABANDON\* ☐REPAIR WELL ☐CHANGE PLANS ☐(Other) Dispose of water down hole ☒

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐REPAIRING WELL ☐FRACTURE TREATMENT ☐ALTERING CASING ☐SHOOTING OR ACIDIZING ☐ABANDONMENT\* ☐(Other) ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

This producing oil well now makes approximately 40 bbls water per day which  
has a chloride content of 2300 mg/L.

Water is presently disposed of in an unlined pit. It is proposed to isolate  
the sand at 5346-5385' with a block squeeze above the sand, & inject the produced  
water down the tubing casing annulus into this zone while pumping the producing  
zone from beneath a packer.

8122' T.O.  
7366' 7' Csg set  
6294' Top of cement behind 7' Csg.  
794' 10-3/4" Csg set  
56' 18" Csg set.

## Revised Notice of Intent

Changes from notice dated 5-22-70 are:

1. Top of cement behind 7' Csg added.
2. Sand at 5346-85' to be isolated by a "block squeeze above the sand" instead  
of "with cement".

Verbal permission for above changes per discussion w/ Mr. Paul Burshell, Utah Oil & Gas  
Commission & Mr. Charles Curtis - USGS by Gulf's Mr. J. B. Despujols 6-29-70.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Area Production Manager

DATE

June 29, 1970

(This space for Federal or State office use)

APPROVED BY (GRC) J. V. FINNEGAN

TITLE

ACTING DISTRICT ENGINEER

DATE

JUL 2 1970

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Oil &amp; Gas Commission - (2)

<input checked="" type="checkbox"/>	JDM	DWS	ROC
<input checked="" type="checkbox"/>	MFB	WRW	JWF
<input type="checkbox"/>	JED	WV	<input checked="" type="checkbox"/> RWR
<input type="checkbox"/>	JGG	JMW	WJC
<input type="checkbox"/>	FJS	FWB	PFH
<input type="checkbox"/>		MWD	JR
<input type="checkbox"/>	LDF	HOA	BQO
<input type="checkbox"/>		KKF	GEP
<input type="checkbox"/>	LPW	HJG	
<input type="checkbox"/>	LBP	RHM	JAS
<input type="checkbox"/>	TGS	JR	CKM
<input type="checkbox"/>		PLV	CCW
<input type="checkbox"/>		REW	BS
<input type="checkbox"/>		GAK	
<input type="checkbox"/>		LBR	
<input type="checkbox"/>		JML	FILE

Jack — Debarrow — Gulf-Copper

Wt. Libb # 2 — Indian Ridge

disposal zone = 5350 — SS zone:

~ 6294 top of cement  
behind Production casing

Wants only to block cement above zone  
and leave ~ 1000' exposed. I checked logs  
and could find no problem. (i) zone not  
exposed.

6/27/70

JMB

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN THE MANNER  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

IND 14-20-462-633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

UTE/TRIBAL

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Indian Ridge

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

8-4S-5W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1971, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)

At surface

1980' SNL &amp; 1978' EWL (SE NW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6194' KB

16.

## Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Dispose of water down hole

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

XX

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

This producing oil well now makes approximately 40 bbls water per day which has a chloride content of 2300 mg/L.

Water is presently disposed of in an unlined pit. It is proposed to isolate the sand at 5346-5385' with a block squeeze above the sand, & inject the produced water down the tubing casing annulus into this zone while pumping the producing zone from beneath a packer.

8122' T.D.  
7366' 7" Csg set  
6294' Top of cement behind 7" Csg.  
794' 10-3/4" Csg set  
56' 16" Csg set.

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE 7-6-70

BY Clem B. Feight

## Revised Notice of Intent

Changes from notice dated 5-22-70 are:

1. Top of cement behind 7" Csg added.
2. Sand at 5346-85' to be isolated by a "block squeeze above the sand" instead of "with cement".

Verbal permission for above changes per discussion w/ Mr. Paul Burshell, Utah Oil & Gas Commission & Mr. Charles Curtis - USGS by Gulf's Mr. J. B. Despujols 6-29-70.

18. I hereby certify that the foregoing is true and correct

SIGNED

J. D. Mackay

TITLE

Area Production Manager DATE June 29, 1970

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: Utah Oil & Gas Commission - (2)  
Continental Oil Company - Box 1121, Durango, Colorado

\*See Instructions on Reverse Side

October 23, 1970

Gulf Oil Corporation  
Box 1971  
Casper, Wyoming 82601

Re: Subsequent Reports

Gentlemen:

This letter is to advise you that Subsequent Reports for the following wells are due this office and have not been filed as required by our Rules and Regulations and Rules of Practice and Procedure.

~~Ute~~ Tribal #2 - 8-4S-5W - Duchesne  
Subsequent Report of Disposal of Water  
Down Hole

Wonsits Valley #22 - 18-8S-22E - Uintah  
Subsequent Report of Converting to  
Water Injection

Wonsits Valley #30 - 1-8S-21E - Uintah  
Subsequent Report of Testing Gas Zones

Wonsits Valley #113 - 13-8S-21E - Uintah  
Subsequent Report of Acidizing

Thank you for your prompt attention to the above.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE  
SECRETARY

:sd

12

*JD*

**Gulf Oil Company - U.S.**

EXPLORATION AND PRODUCTION DEPARTMENT  
CASPER AREA

J. D. Mackay  
AREA PRODUCTION MANAGER  
D. W. Siple  
AREA EXPLORATION MANAGER

October 28, 1970

*GMP*

P. O. Box ~~271~~ 2619  
Casper, Wyo. 82601

State of Utah  
Division of Oil & Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention: Scheree DeRose

Re: Subsequent Reports of Work Done

The following information is submitted in response to your letter dated October 23, 1970, regarding subsequent reports to be filed.

Ute/Tribal No. 2. Section 8-4S-5W, Duchesne County, Utah. Perforate upper zone for SWD. Work has not been done. It is planned to do this work before the end of the year, and a subsequent report will be filed soon after completion.

Wonsits Valley No. 22. Section 18-8S-22E, Uintah County, Utah. Convert to Water Injection. Work was completed and subsequent report prepared October 16, 1969. Two additional copies of the subsequent report are attached for your files.

Wonsits Valley No. 30. Section 11-8S-21E, Uintah County, Utah. Work has not yet been done. It is planned to do this work before the end of the year, and a subsequent report will be filed soon after completion.

Wonsits Valley No. 113. Section 13-8S-21E, Uintah County, Utah. Work has been done. Subsequent report was sent to you on October 28, 1970.

*J. D. Mackay*  
J. D. Mackay

RWR/bs



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>Ind 14-20-462-633</b>
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Ind 14-20-462-633</b>
2. NAME OF OPERATOR <b>Gulf Oil Corporation</b>		7. UNIT AGREEMENT NAME <b>UTE/TRIBAL</b>
3. ADDRESS OF OPERATOR <b>Box 2619, Casper, Wyoming 82601</b>		8. FARM OR LEASE NAME <b>UTE/TRIBAL</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>1980' SW &amp; 1978' ENE (SE NW)</b> At proposed prod. zone <b>Same</b>		9. WELL NO. <b>2</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>1978' West</b>		10. FIELD AND POOL, OR WILDCAT <b>Indian Ridge</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1980' North</b>	16. NO. OF ACRES IN LEASE <b>640</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>8-4S-SW</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>None</b>	19. PROPOSED DEPTH <b>9500'</b>	12. COUNTY OR PARISH <b>Duchesne</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6194' A.S.</b>		13. STATE <b>Utah</b>
22. APPROX. DATE WORK WILL START* <b>Immediately</b>		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6-1/8"	4-1/2" Liner	13.5 or 9.5#	6900' to TD	As Needed

Propose to remove 4-1/2" liner & drill deeper from present TD of 8122' to approximately 9500' to test lower zones for oil production. If lower zones productive, will set 4-1/2" liner (as listed above) from approximately 6900' to TD. If lower zones not productive will plug back, reset 4-1/2" liner (comparable to current installation) and recomplete in present producing zone. Will use hydraulically actuated double gate and bag type BOP.

Present Status

8122' - TD  
8092'-7342.5' - 4-1/2" liner set  
7366' - 7" csg set  
6294' - Top of cement behind 7" csg.  
794' - 10-3/4" csg set  
56' - 16" csg set

Completed in 1966 and 4-1/2" liner set in 1967.

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE 3-17-71

BY Clem B. Feig

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. ORIGINAL SIGNED BY  
L. M. WILSON  
SIGNED L. M. Wilson TITLE Area Production Manager DATE 3-11-71

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
cc: **2 - Utah Oil & Gas Commission**  
**1 - Continental Oil Co., 152 N. Durbin, Casper, Wyo. 82601**

STATE OF UTAH  
DIVISION OF OIL & GAS CONSERVATION  
DEPARTMENT OF NATURAL RESOURCES

PLUGGING PROGRAM  
\*\*\*\*\*

NAME OF COMPANY Gulf Oil Corporation  
WELL NAME Ute Tribal #2 API NO: 43-013-20025  
Sec. 8 Township 4S Range 5W County Decker

Verbal Approval Given to Plug the Above Referred to Well in the Following Manner:

Total Depth: 9774' Wasatch

Casing Program:

Formation Tops:

Collapsed Casing at 3400', fish  
in hole below 3400'

Plugs Set as Follows:

prepare to cut down to tubing, circulate cement  
from 8247' - 8000'; pull what tubing they can.  
put cement retainer above hole in casing at  
3400', circulate cement to surface behind 7"  
casing.

If they cannot circulate, they will pump cement  
down annulus between 7" and 10 3/4" casing.  
surface plug w/ marker.

Date: 1-26-71 (USGS) Signed: Schere

UTE/TRIBAL NO. 2

Additional Completion Information for Drilling Deeper

Status at start of work

8122' - TD

8092-7342.5' - 4-1/2" liner

7366' - 7" Csg set

6294' - Top of cement behind 7" Csg

794' - 10-3/4" Csg set

56' - 16" Csg set

Pulled 4-1/2" Liner. Drilled deeper to 9774'. Set 4-1/2" liner from 9774' to 7140' w/1020 Sx cement. Perforated & tested zones as noted in Para. 31. Now producing from perforations 8200-12'.

Present status

9774' - TD

8500' - PBTD

9774' - 7140' - 4-1/2" liner

9602' - 12' - Perforations - Below BP

9582' - 92' - Perforations - Below BP

8664' - 74' - Perforations - Below BP

8688' - 98' - Perforations - Below BP

8200' - 12' - Perforations - Open & producing

794' - 10-3/4" Csg

56' - 16" Csg

Work started 3-15-71 & completed 5-6-71

Installed pumping equipment & started pumping 5-14-71. Rods parted 5-21-71 & pulled R&T to recover. Pumping resumed 5-30-71.



May 21, 1971

Gulf Oil Corporation  
Box 2619  
Casper, Wyoming 82601

Re: Ute Tribal #2  
Sec. 8, T. 4 S, R. 5 W,  
Duchesne County, Utah

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the month of April, 1971, on the subject well. Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth day of the succeeding month. This report may be filed on Form OGC-1b, (U.S. Geological Survey 9-331, "Sundry Notices and Reports on Wells"), or company forms containing substantially the same information.

We are enclosing forms for your convenience.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE  
SUPERVISING STENOGRAPHER

:sd

5



CALVIN L. RAMPTON  
Governor

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE  
SALT LAKE CITY, UTAH 84116

328-5771

May 21, 1971

OIL & GAS CONSERVATION BOARD

DELBERT M. DRAPER, JR.  
Chairman

CHARLES R. HENDERSON  
ROBERT R. NORMAN  
WALLACE D. YARDLEY  
WESLEY R. DICKERSON

LMW	DWS	ROC
HFB	WRW	JV
JSD	WV	SWR
JGC	JMW	WJC
FJS	PWB	PFH
ER	WD	JR
LDF	HCA	BQO
	KKF	GEP
LPW	HJG	ELG
LEP	JR	JAS
TGS	PLV	CKM
	RAV	ES
	GAK	
	LPR	
	JML	FILE

Gulf Oil Corporation  
Box 2619  
Casper, Wyoming 82601

Re: Ute Tribal #2  
Sec. 8, T. 4 S, R. 5 W,  
Duchesne County, Utah

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the month of April, 1971, on the subject well. Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth day of the succeeding month. This report may be filed on Form OGC-1b, (U.S. Geological Survey 9-331, "Sundry Notices and Reports on Wells"), or company forms containing substantially the same information.

We are enclosing forms for your convenience.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

*Scherree DeRose*

SCHEREE DeROSE  
SUPERVISING STENOGRAPHER

:sd

5-25-71

Attached is report as requested above. Sorry to have overlooked this.

*LWR*  
Gulf Oil Corporation

THE STATE OF UTAH  
DIVISION OF OIL AND GAS CONSERVATION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

Ind 14-20-462-633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ute/Tribal

8. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Indian Ridge

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

8-4S-5W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

GULF OIL CORPORATION

3. ADDRESS OF OPERATOR

617 1st Nat'l Bank Bldg, Box 2619, Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1980' SNL &amp; 1978' EWL (SE NW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

6194' KB

16.

## Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Interim Report of Drilling ☒(NOTE: Report results of multiple completion on well deeper  
(Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Pulled 4-1/2" liner 8092' - 7342.5 (749.5'). Drilled deeper from original TD of 8122' to 9774'. Set 4-1/2" liner from 7140 to 9774' (2618') w/ 1020 Sx cement. PBD 9710'. Perforated 9602 - 12' and 9582' - 92' with 2 JHPF & broke down formation with 18 bbls diesel @ 2800 psi in 10 minutes. Perforated 8664-74' and 8688-98' with 2 JHPF. Pumped 50 bbls diesel into formation @ 3600 psi. Treated with 207 bbls diesel oil with 5 gal Hyflo per 1000 gal oil. Set BP @ 8500'. New PBD. Perforated 8200-12' with 4 JHPF. Now testing. Produced 16 bbls oil and o wtr in 24 hrs - pumping. 5-21-71.

Work started 3-15-71. Work completed 5-7-71.

Now testing well. Will file final report when testing completed.

18. I hereby certify that the foregoing is true and correct

SIGNED

L. M. Wilson

TITLE Area Production Manager

DATE 5-24-71

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 12-R714.1

ALLOTTEE PT  
TRIBE Ute  
LEASE NO. IND 14-20-462-633

# LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Duchesne Field Indian Ridge

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1971,

Agent's address P. O. Box 2619 Company Gulf Oil Corporation  
Casper, Wyoming 82601 Signed [Signature]

Phone 307-235-5783 Agent's title Area Services Supervisor

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW NW 8	4S	5W	2		0		-		None	WO - Drill deeper PBSD 8500' Pmpg 6/1 rec load oil Perf 8664-8674 and 8688-8698 2 holes/ft. Treat w/diesel and swab load oil BP set at 8500' and Perf 8200-8212' w/4 holes/ft; diesel treat; 2-7/8" tbg @ 9774'
3 - U.S.G.S., SLC										
2 - Utah Oil & Gas Cons. Comm. SLC										
2 - File										
1 - O.C.										
										Ute/Tribal

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.

5. LEASE DESIGNATION AND SERIAL NO.

Ind 14-20-462-633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ute/Tribal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Indian Ridge

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

8-4S-5W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☒ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 2619, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1980' SNL &amp; 1978' EWL (SE NW)

At top prod. interval reported below

1980' SNL &amp; 1978' EWL (SE NW)

At total depth

1980' SNL &amp; 1978' EWL (SE NW)

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

15. DATE SPUDDED

3-15-71

16. DATE T.D. REACHED

4-19-71

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

6196' KB - 6180' Gr

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

9774'

21. PLUG BACK T.D., MD &amp; TVD

8500'

22. IF MULTIPLE COMPL., HOW MANY\*

-

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

X

CABLE TOOLS

None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

8200 - 8212' - Wasatch

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Density Log - Induction Electric Log

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH-SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	Conductor	56'	22"	100 Sx	None
10-3/4"	40.5#	794'	13-3/4"	325 Sx	None
7"	20-23-26	7366'	7-7/8"	225 Sx	None
(Above same as initial completion)					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH-SET (MD)	PACKER-SET (MD)
4-1/2"	7342.5	8092'	None	Pulled	2-7/8"	8248'	None
4-1/2"	7140'	9774'	1020 Sx	Installed			

31. PERFORATION RECORD (Interval, size and number)

See Back Side

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Not Treated	this Recompletion

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5-14-71		Pumping - 1-1/2" bore Insert Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-14-71	24	-	→	20	0	0	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	-	→	20	0	0	Not Tested	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

None

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs per item 26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

ORIGINAL SIGNED BY

SIGNED

L. M. WILSON

TITLE Area Production Manager

DATE August 6, 1971

L. M. Wilson

\*(See Instructions and Spaces for Additional Data on Reverse Side)

cc: 2 - Utah Oil &amp; Gas Commission

1 - Continental Oil Co., 1755 Glenarm Place, Denver, Colorado 80201

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers' geologists, sample and core analysis, all types electric, etc.), formation, and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described, in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage-cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
<u>No DST's</u>	<u>No Cores</u>				
Para. 31 Perforation Record PHD 9710' - HP Set @ 9653' (BP's pulled subsequently) Perforated 9602-12' w/2 jets/ft 9582-92'			Basal Green River Wastch	4710' 7335'	
w/Ret HP Set @ 8734' (BP's pulled subsequently) Perforated 8664-74' w/2 jets/ft 8688-98'					
w/Ret HP Set @ 8500' Perforated 8200-12' w/4 jets/ft Perforated 8200-12' w/4 jets/ft					
SEE ATTACHED FOR ADDITIONAL REMARKS					

AUG 9 1971

*9/27/71*

# Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT  
CASPER AREA

L. M. Wilson  
AREA PRODUCTION MANAGER  
D. W. Siple  
AREA EXPLORATION MANAGER

September 27, 1971

P. O. Box 2619  
Casper, Wyo. 82601

United States Department of the Interior  
Geological Survey  
8416 Federal Building  
125 South State Street  
Salt Lake City, Utah 84111

Re: Ute/Tribal No. 2  
Section 8-4S-5W  
Duchesne County, Utah

Gentlemen:

It is now desired to withdraw the proposal to dispose of water down hole as set out in the attached Form 9-131, Sundry Notices and Reports on Wells dated June 29, 1970.

Yours very truly,

ORIGINAL SIGNED  
L. M. WILSON

L. M. Wilson

RWR/pr  
Attachment

bc: Utah Oil & Gas Commission



612

ATTACHMENT

Present Status: Well Temporarily abandoned

9774' - TD  
8500' - PBTD - Bridge plug  
9774-7140' - 4-1/2" Liner  
7366' - 7" casing  
9602-9612' - Perforations - Wasatch - below bridge plug  
9582-9592' - Perforations - Wasatch - below bridge plug  
8664-8674' - Perforations - Wasatch - below bridge plug  
8688-8698' - Perforations - Wasatch - below bridge plug  
8200-8212' - Perforations - Wasatch - Open  
794' - 10-3/4" casing  
56' - 16" casing

Apparently casing is now collapsed at approximately 3500-4000' and tubing cannot be pulled. Propose to cut off tubing at approximately 4000' and pull through tight spot in casing; cut off 7" casing at approximately 4000'; pull upper section of 7" casing, and rerun new casing.

If above is successful, plan to proceed to set CI bridge plug at 7550'; spot 15-20 sx cement on top of bridge plug; perforate 7284-7334', 7342-7348', 7354-7362', and 7418-7426'; test and stimulate as may be indicated by swab tests.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1. TYPE OF WORK

DRILL ☐DEEPEN ☐PLUG BACK ☒

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Gulf Oil Corporation

## 3. ADDRESS OF OPERATOR

Box 2619, Casper, Wyoming 82601

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1980' SNL &amp; 1978' EWL (SE NW)

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

## 16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

## 20. ROTARY OR CABLE TOOLS

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6194' KB

## 22. APPROX. DATE WORK WILL START\*

Immediately

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
None for this job				

Propose to repair casing and test zones above present perforations as indicated on attached.

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE 1-21-72

BY B. B. Fugitt

This is as discussed with Mr. G. R. Daniels (USGS) and Mr. P. W. Burchell (Utah Oil &amp; Gas Commission) today by Gulf's Mr. B. Buh.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

L. M. Wilson

TITLE

Area Production Manager

DATE

1/18/72

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Oil &amp; Gas Commission

Continental Oil Co.  
152 N. Durbin  
Casper, WY 82601

\*See Instructions On Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**IND 14-20-462-633**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**Ute**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Ute/Tribal**

9. WELL NO.

**2**

10. FIELD AND POOL, OR WILDCAT

**Indian Ridge**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

**8-4S-5W**

12. COUNTY OR PARISH

**Duchesne**

13. STATE

**Utah**

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

**Gulf Oil Corporation**

3. ADDRESS OF OPERATOR

**Box 2619, Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)

At surface

**1980' SNL & 1978' EWL (SE NW)**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

**6194' KB**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) **See below**

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

**X**

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Application to repair casing leak and test zones above present perforations dated 1/18/72.**

**Unable to repair casing. Upper zones not tested. Will submit Notice of Intent to plug and abandon.**

**Found 2-7/8" tubing stuck @ 3422'. Cut off tubing @ 3396' and recovered. Milled from 3419-22'. Shoe indicated collapsed casing. Swedged out from 3422-43' w/ swedge and jars. Recovered an additional 30' of tubing. Swedged out from 3440-51' w/ 5-1/4" swedge. Swedged out to 3453' w/ 6-1/8" swedge. Cut off and recovered tubing to 3609'. Cut off and recovered tubing to 6960' (just above tubing anchor).**

**Work started 1/18/72 and completed 1/27/72.**

**See Notice of Intent to Plug & Abandon for additional information.**

18. I hereby certify that the foregoing is true and correct

ORIGINAL SIGNED BY

SIGNED **L. M. WILSON**

**L. M. Wilson**

TITLE **Area Production Manager**

DATE **January 31, 1972**

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

cc: **Utah Oil & Gas Commission (2)**  
**Continental Oil Co., 152 N. Durbin, Casper, Wyoming 82601 (1)**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

IND 14-20-462-633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ute/Tribal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Indian Ridge

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

8-4S-5W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

Box 2619, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)  
At surface

1980' SNL &amp; 1978' EWL (SE NW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6194' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☒CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Propose to plug and abandon temporarily abandoned oil well in accordance with discussion between Gulf's Mr. Ben Buh and Mr. G. R. Daniels, USGS. Refer to report dated 1/31/72 covering unsuccessful attempt to repair casing prior to attempting to test additional zones.

To be plugged as follows: Tubing has been cut off at 6960' (just above tubing anchor). Will pump in minimum of 200' cement plug above tubing anchor in 7" casing; set retainer at approximately 3300'; attempt to circulate cement out thru hole in 7" casing and circulate it as high as possible outside of 7" csg; and leave approximately 200' cement plug inside 7" casing; at surface will pump cement down thru 1" string of tubing and fill 7"/10-3/4" annulus with cement; spot approximately 50' cement plug in top of 7" casing, cut off 7" casing below ground level, restore surface, and install dry hole marker.

Work started 1/27/72.

18. I hereby certify that the foregoing is true and correct

ORIGINAL SIGNED BY

SIGNED

L. M. WILSON  
L. M. Wilson

TITLE

Area Production Manager

DATE

January 31, 1972

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Oil & Gas Commission\* See Instructions on Reverse Side  
Continental Oil Co., 152 N. Durbin, Casper, WY 82601 (1)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

IND 14-20-462-633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ute/Tribal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Indian Ridge

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

8-4S-5W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

Box 2619, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1980' NSL &amp; 1978' EWL (SE NW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6194' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☒(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Refer to Notice of Intent to P &amp; A and Casing Leak Repair Summary, both dated 1/31/72.

Well P &amp; A'd as follows:

Set 300 sx C1 G cmt plug @ 6900' to 5400' thru 2-7/8" tbg. Set Baker Model K pkr @ 3100'. Set 250 sx cmt plug w/ 16% gel from 3100' to 3000'. Pumped 75 sx C1 G cmt plug in 10-3/4"/7" annulus (hole stayed full). Set 25 sx C1 G cmt plug from 60' to surface. Capped cellar w/ 1' of cmt.

Dry Hole Marker installed, location restored and ready for inspection.

P &amp; A started 1/27/72 and completed 1/30/72.

18. I hereby certify the foregoing is true and correct

SIGNED

L. M. WILSON

TITLE

Area Production Manager

DATE

5-21-73

L. M. Wilson

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

cc: Utah Oil & Gas Commission (2)  
Continental Oil Co., 152 N. Durbin, Casper, Wyoming 82601 (1)



# WHITE RESEARCH LABORATORIES

PO Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER W-1961

SAMPLE TAKEN \_\_\_\_\_

SAMPLE RECEIVED 3-11-75RESULTS REPORTED 3-17-75

## SAMPLE DESCRIPTION

COMPANY Gulf OilFIELD NO. \_\_\_\_\_  
LEASE Duchesne Co. Tribal (2)WELL NO. 1-304

FIELD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_

SAMPLE TAKEN FROM \_\_\_\_\_

PRODUCING FORMATION \_\_\_\_\_ TOP \_\_\_\_\_

REMARKS \_\_\_\_\_

SAMPLE TAKEN BY \_\_\_\_\_

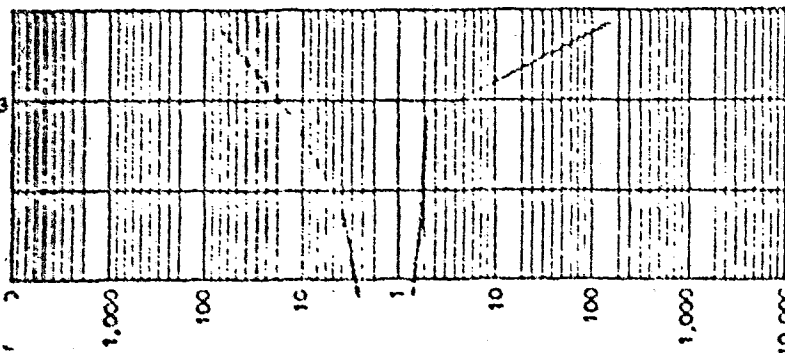
## CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0032 pH 8.68 RES. 1.00 OHM METERS @ 77°FTOTAL HARDNESS 101.50 mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 1660 mg/L as CaCO<sub>3</sub>

CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L	REMARKS
CALCIUM - Ca++	55.3	1.77	$Ca = 2.96$
MAGNESIUM - Mg++	3.23	0.24	$Mg = 1.61$
SODIUM - Na+	3050.0	132.61	$Na = 1.21$ (273)
BARIUM (INCL. STRONTIUM) - Ba++	1.8	0.03	$SI = 2.96 - 2.96 - 1.61 - 1.21 =$ $+ 2.90$ (5.77)
TOTAL IRON - Fe++ AND Fe+++	0.84	0.03	134.67
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	1500.0	24.60	$F_1 = 1.45$
CARBONATE - CO <sub>3</sub> <sup>-</sup>	160.0	5.33	$F_2 = 1$
SULFATE - SO <sub>4</sub> <sup>-</sup>	341.0	7.10	$K_2 = 6.25$
CHLORIDE - CL <sup>-</sup>	3473.6	97.85	134.88 $SI = 1.5(1.45)(1.0) - 1.77$
TOTAL DISSOLVED SOLIDS	6880		$7.10 + 125.87$ <u>no gyp det.</u>

MILLEQUIVALENTS PER LITER

LOGARITHMIC



Na

100

Ca

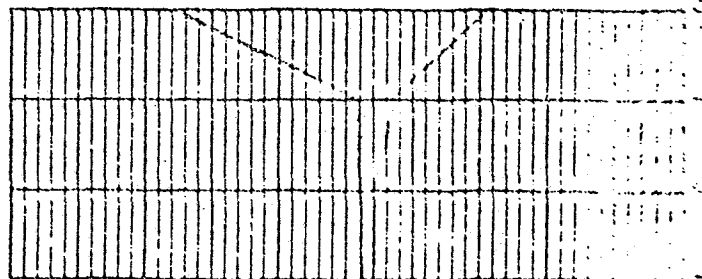
Mg

Fe

10

100

STANDARD



ANALYST \_\_\_\_\_